

Talc-Triclinic (020) 366 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[1 0 0]	(0 2 0)	(0 0 1)	4.586	9.351	0.49	89.5	81.3
[0 0 1]	(0 2 0)	(1 -1 0)	4.586	4.548	1.01	60.4	0.0
[0 0 1]	(0 2 0)	(1 1 0)	4.586	4.538	1.01	60.2	0.0
[1 0 1]	(0 2 0)	(1 1 -1)	4.586	4.318	1.06	62.0	31.1
[1 0 1]	(0 2 0)	(1 -1 -1)	4.586	4.312	1.06	61.9	31.1
[1 0 0]	(0 2 0)	(0 2 -1)	4.586	4.131	1.11	26.2	81.3
[1 0 0]	(0 2 0)	(0 2 1)	4.586	4.104	1.12	26.0	81.3
[1 0 -1]	(0 2 0)	(1 -1 1)	4.586	3.900	1.18	65.2	27.0
[1 0 -1]	(0 2 0)	(1 1 1)	4.586	3.882	1.18	64.6	27.0
[2 0 1]	(0 2 0)	(1 1 -2)	4.586	3.501	1.31	67.8	53.1
[2 0 1]	(0 2 0)	(1 -1 -2)	4.586	3.490	1.31	67.4	53.1
[1 0 0]	(0 2 0)	(0 2 -2)	4.586	3.288	1.39	44.7	81.3
[1 0 0]	(0 2 0)	(0 2 2)	4.586	3.261	1.41	44.2	81.3
[2 0 -1]	(0 2 0)	(1 -1 2)	4.586	3.071	1.49	70.9	43.4
[2 0 -1]	(0 2 0)	(1 1 2)	4.586	3.057	1.50	70.1	43.4
[3 0 1]	(0 2 0)	(1 1 -3)	4.586	2.748	1.67	72.9	65.8
[3 0 1]	(0 2 0)	(1 -1 -3)	4.586	2.739	1.67	72.3	65.8
[0 0 1]	(0 2 0)	(1 -3 0)	4.586	2.643	1.74	30.4	0.0
[0 0 1]	(0 2 0)	(1 3 0)	4.586	2.636	1.74	30.3	0.0
[1 0 2]	(0 2 0)	(2 0 -1)	4.586	2.623	1.75	90.0	16.1
[0 0 1]	(0 2 0)	(2 0 0)	4.586	2.615	1.75	89.8	0.0
[1 0 1]	(0 2 0)	(1 3 -1)	4.586	2.594	1.77	32.0	31.1
[1 0 1]	(0 2 0)	(1 -3 -1)	4.586	2.590	1.77	32.0	31.1
[1 0 0]	(0 2 0)	(0 2 -3)	4.586	2.588	1.77	56.1	81.3
[1 0 0]	(0 2 0)	(0 2 3)	4.586	2.568	1.79	55.5	81.3
[1 0 -1]	(0 2 0)	(1 -3 1)	4.586	2.498	1.84	35.6	27.0
[1 0 -1]	(0 2 0)	(1 3 1)	4.586	2.484	1.85	35.3	27.0
[1 0 1]	(0 2 0)	(2 0 -2)	4.586	2.445	1.88	89.9	31.1
[3 0 -1]	(0 2 0)	(1 -1 3)	4.586	2.431	1.89	75.1	52.9
[1 0 -2]	(0 2 0)	(2 0 1)	4.586	2.425	1.89	89.7	14.9
[3 0 -1]	(0 2 0)	(1 1 3)	4.586	2.421	1.89	74.2	52.9
[2 0 1]	(0 2 0)	(1 3 -2)	4.586	2.383	1.92	39.1	53.1
[2 0 1]	(0 2 0)	(1 -3 -2)	4.586	2.372	1.93	38.9	53.1
[1 0 2]	(0 2 0)	(2 -2 -1)	4.586	2.277	2.01	60.3	16.1
[1 0 2]	(0 2 0)	(2 2 -1)	4.586	2.276	2.01	60.2	16.1
[2 0 -1]	(0 2 0)	(1 -3 2)	4.586	2.235	2.05	43.5	43.4
[2 0 -1]	(0 2 0)	(1 3 2)	4.586	2.219	2.07	43.0	43.4
[4 0 1]	(0 2 0)	(1 1 -4)	4.586	2.203	2.08	76.5	73.3
[4 0 1]	(0 2 0)	(1 -1 -4)	4.586	2.196	2.09	75.8	73.3
[3 0 2]	(0 2 0)	(2 0 -3)	4.586	2.171	2.11	89.8	43.5
[1 0 -1]	(0 2 0)	(2 0 2)	4.586	2.148	2.14	89.7	27.0
[1 0 -2]	(0 2 0)	(2 -2 1)	4.586	2.148	2.14	62.3	14.9
[1 0 -2]	(0 2 0)	(2 2 1)	4.586	2.140	2.14	61.9	14.9
[3 0 1]	(0 2 0)	(1 3 -3)	4.586	2.101	2.18	46.9	65.8
[1 0 0]	(0 2 0)	(0 2 -4)	4.586	2.090	2.19	63.4	81.3
[3 0 1]	(0 2 0)	(1 -3 -3)	4.586	2.088	2.20	46.6	65.8
[1 0 0]	(0 2 0)	(0 2 4)	4.586	2.076	2.21	62.6	81.3
[4 0 -1]	(0 2 0)	(1 -1 4)	4.586	1.979	2.32	78.0	58.8

Talc-Triclinic (020) 366 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[4 0 -1]	(0 2 0)	(1 1 4)	4.586	1.973	2.33	77.1	58.8
[3 0 2]	(0 2 0)	(2 2 -3)	4.586	1.965	2.33	64.8	43.5
[3 0 2]	(0 2 0)	(2 -2 -3)	4.586	1.960	2.34	64.5	43.5
[3 0 -1]	(0 2 0)	(1 -3 3)	4.586	1.950	2.35	50.8	52.9
[3 0 -1]	(0 2 0)	(1 3 3)	4.586	1.935	2.37	50.3	52.9
[2 0 1]	(0 2 0)	(2 0 -4)	4.586	1.890	2.43	89.7	53.1
[3 0 -2]	(0 2 0)	(2 0 3)	4.586	1.869	2.45	89.6	36.4
[1 0 0]	(0 2 0)	(0 4 -3)	4.586	1.855	2.47	36.5	81.3
[1 0 0]	(0 2 0)	(0 4 3)	4.586	1.840	2.49	36.2	81.3
[4 0 1]	(0 2 0)	(1 3 -4)	4.586	1.826	2.51	53.7	73.3
[5 0 1]	(0 2 0)	(1 1 -5)	4.586	1.818	2.52	79.0	78.2
[4 0 1]	(0 2 0)	(1 -3 -4)	4.586	1.814	2.53	53.2	73.3
[5 0 1]	(0 2 0)	(1 -1 -5)	4.586	1.813	2.53	78.2	78.2
[1 0 0]	(0 2 0)	(0 2 -5)	4.586	1.737	2.64	68.2	81.3
[3 0 -2]	(0 2 0)	(2 -2 3)	4.586	1.735	2.64	68.2	36.4
[1 0 3]	(0 2 0)	(3 -1 -1)	4.586	1.731	2.65	79.2	10.7
[1 0 3]	(0 2 0)	(3 1 -1)	4.586	1.730	2.65	79.1	10.7
[1 0 0]	(0 2 0)	(0 2 5)	4.586	1.727	2.66	67.4	81.3
[1 0 2]	(0 2 0)	(2 -4 -1)	4.586	1.727	2.66	41.2	16.1
[3 0 -2]	(0 2 0)	(2 2 3)	4.586	1.727	2.66	67.5	36.4
[0 0 1]	(0 2 0)	(2 -4 0)	4.586	1.726	2.66	41.3	0.0
[1 0 2]	(0 2 0)	(2 4 -1)	4.586	1.726	2.66	41.2	16.1
[0 0 1]	(0 2 0)	(2 4 0)	4.586	1.722	2.66	41.2	0.0
[1 0 1]	(0 2 0)	(1 5 -1)	4.586	1.719	2.67	20.6	31.1
[1 0 1]	(0 2 0)	(1 -5 -1)	4.586	1.717	2.67	20.6	31.1
[0 0 1]	(0 2 0)	(3 -1 0)	4.586	1.713	2.68	79.4	0.0
[0 0 1]	(0 2 0)	(3 1 0)	4.586	1.712	2.68	79.1	0.0
[4 0 -1]	(0 2 0)	(1 -3 4)	4.586	1.694	2.71	56.8	58.8
[2 0 3]	(0 2 0)	(3 1 -2)	4.586	1.691	2.71	79.4	21.3
[1 0 -1]	(0 2 0)	(1 -5 1)	4.586	1.691	2.71	23.2	27.0
[1 0 -1]	(0 2 0)	(1 5 1)	4.586	1.683	2.72	23.1	27.0
[4 0 -1]	(0 2 0)	(1 3 4)	4.586	1.681	2.73	56.2	58.8
[1 0 1]	(0 2 0)	(2 4 -2)	4.586	1.674	2.74	43.2	31.1
[1 0 1]	(0 2 0)	(2 -4 -2)	4.586	1.671	2.74	43.1	31.1
[1 0 -2]	(0 2 0)	(2 -4 1)	4.586	1.670	2.75	43.5	14.9
[1 0 -2]	(0 2 0)	(2 4 1)	4.586	1.662	2.76	43.3	14.9
[5 0 -1]	(0 2 0)	(1 -1 5)	4.586	1.657	2.77	80.1	62.8
[2 0 1]	(0 2 0)	(1 5 -2)	4.586	1.654	2.77	25.9	53.1
[5 0 -1]	(0 2 0)	(1 1 5)	4.586	1.652	2.78	79.1	62.8
[2 0 1]	(0 2 0)	(1 -5 -2)	4.586	1.647	2.78	25.8	53.1
[1 0 -3]	(0 2 0)	(3 -1 1)	4.586	1.643	2.79	79.9	10.2
[5 0 2]	(0 2 0)	(2 0 -5)	4.586	1.643	2.79	89.7	60.3
[1 0 -3]	(0 2 0)	(3 1 1)	4.586	1.641	2.80	79.5	10.2
[2 0 -1]	(0 2 0)	(2 0 4)	4.586	1.625	2.82	89.6	43.4
[1 0 1]	(0 2 0)	(3 1 -3)	4.586	1.605	2.86	80.0	31.1
[1 0 1]	(0 2 0)	(3 -1 -3)	4.586	1.604	2.86	79.8	31.1
[2 0 -1]	(0 2 0)	(1 -5 2)	4.586	1.603	2.86	29.5	43.4
[2 0 -1]	(0 2 0)	(1 5 2)	4.586	1.593	2.88	29.3	43.4

Talc-Triclinic (020) 366 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 0 1]	(0 2 0)	(1 3 -5)	4.586	1.589	2.89	59.1	78.2
[3 0 2]	(0 2 0)	(2 4 -3)	4.586	1.579	2.90	46.7	43.5
[5 0 1]	(0 2 0)	(1 -3 -5)	4.586	1.579	2.90	58.5	78.2
[3 0 2]	(0 2 0)	(2 -4 -3)	4.586	1.574	2.91	46.5	43.5
[1 0 -1]	(0 2 0)	(2 -4 2)	4.586	1.573	2.92	47.1	27.0
[1 0 -1]	(0 2 0)	(2 4 2)	4.586	1.563	2.93	46.7	27.0
[3 0 1]	(0 2 0)	(1 5 -3)	4.586	1.551	2.96	32.6	65.8
[5 0 2]	(0 2 0)	(2 2 -5)	4.586	1.550	2.96	70.6	60.3
[5 0 2]	(0 2 0)	(2 -2 -5)	4.586	1.544	2.97	70.0	60.3
[3 0 1]	(0 2 0)	(1 -5 -3)	4.586	1.542	2.97	32.4	65.8
[6 0 1]	(0 2 0)	(1 1 -6)	4.586	1.539	2.98	80.8	81.5
[2 0 -3]	(0 2 0)	(3 -1 2)	4.586	1.538	2.98	80.7	19.2
[6 0 1]	(0 2 0)	(1 -1 -6)	4.586	1.536	2.99	79.9	81.5
[2 0 -3]	(0 2 0)	(3 1 2)	4.586	1.535	2.99	80.1	19.2
[1 0 3]	(0 2 0)	(3 -3 -1)	4.586	1.528	3.00	60.1	10.7
[1 0 3]	(0 2 0)	(3 3 -1)	4.586	1.526	3.01	60.0	10.7
[2 0 3]	(0 2 0)	(3 3 -2)	4.586	1.500	3.06	60.6	21.3
[2 0 3]	(0 2 0)	(3 -3 -2)	4.586	1.499	3.06	60.6	21.3
[4 0 3]	(0 2 0)	(3 1 -4)	4.586	1.492	3.07	80.8	39.7
[4 0 3]	(0 2 0)	(3 -1 -4)	4.586	1.490	3.08	80.5	39.7
[3 0 -1]	(0 2 0)	(1 -5 3)	4.586	1.488	3.08	36.3	52.9
[1 0 0]	(0 2 0)	(0 2 -6)	4.586	1.479	3.10	71.7	81.3
[5 0 -1]	(0 2 0)	(1 -3 5)	4.586	1.479	3.10	61.5	62.8
[3 0 -1]	(0 2 0)	(1 5 3)	4.586	1.477	3.11	35.9	52.9
[1 0 0]	(0 2 0)	(0 2 6)	4.586	1.472	3.12	70.8	81.3
[5 0 -1]	(0 2 0)	(1 3 5)	4.586	1.469	3.12	60.8	62.8
[1 0 -3]	(0 2 0)	(3 -3 1)	4.586	1.467	3.13	61.6	10.2
[1 0 -3]	(0 2 0)	(3 3 1)	4.586	1.462	3.14	61.2	10.2
[2 0 1]	(0 2 0)	(2 4 -4)	4.586	1.462	3.14	50.7	53.1
[2 0 1]	(0 2 0)	(2 -4 -4)	4.586	1.455	3.15	50.3	53.1
[1 0 0]	(0 2 0)	(0 4 -5)	4.586	1.455	3.15	51.1	81.3
[3 0 -2]	(0 2 0)	(2 -4 3)	4.586	1.454	3.15	51.1	36.4
[3 0 -2]	(0 2 0)	(2 4 3)	4.586	1.444	3.18	50.6	36.4
[1 0 0]	(0 2 0)	(0 4 5)	4.586	1.444	3.18	50.5	81.3
[3 0 1]	(0 2 0)	(2 0 -6)	4.586	1.438	3.19	89.7	65.8
[4 0 1]	(0 2 0)	(1 5 -4)	4.586	1.430	3.21	39.2	73.3
[5 0 -2]	(0 2 0)	(2 0 5)	4.586	1.423	3.22	89.6	48.8
[4 0 1]	(0 2 0)	(1 -5 -4)	4.586	1.421	3.23	38.8	73.3
[6 0 -1]	(0 2 0)	(1 -1 6)	4.586	1.420	3.23	81.6	65.6
[6 0 -1]	(0 2 0)	(1 1 6)	4.586	1.416	3.24	80.6	65.6
[1 0 -1]	(0 2 0)	(3 -1 3)	4.586	1.416	3.24	81.5	27.0
[1 0 -1]	(0 2 0)	(3 1 3)	4.586	1.414	3.24	80.8	27.0
[6 0 1]	(0 2 0)	(1 3 -6)	4.586	1.393	3.29	63.3	81.5
[2 0 -3]	(0 2 0)	(3 -3 2)	4.586	1.391	3.30	63.2	19.2
[2 0 -3]	(0 2 0)	(3 3 2)	4.586	1.385	3.31	62.8	19.2
[6 0 1]	(0 2 0)	(1 -3 -6)	4.586	1.385	3.31	62.6	81.5
[5 0 3]	(0 2 0)	(3 1 -5)	4.586	1.369	3.35	81.6	47.0
[5 0 3]	(0 2 0)	(3 -1 -5)	4.586	1.367	3.35	81.2	47.0

Talc-Triclinic (020) 366 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[4 0 -1]	(0 2 0)	(1 -5 4)	4.586	1.365	3.36	42.4	58.8
[5 0 -2]	(0 2 0)	(2 -2 5)	4.586	1.362	3.37	73.2	48.8
[4 0 3]	(0 2 0)	(3 3 -4)	4.586	1.356	3.38	63.8	39.7
[5 0 -2]	(0 2 0)	(2 2 5)	4.586	1.356	3.38	72.4	48.8
[4 0 -1]	(0 2 0)	(1 5 4)	4.586	1.354	3.39	42.0	58.8
[4 0 3]	(0 2 0)	(3 -3 -4)	4.586	1.353	3.39	63.6	39.7
[5 0 2]	(0 2 0)	(2 4 -5)	4.586	1.339	3.42	54.6	60.3
[5 0 2]	(0 2 0)	(2 -4 -5)	4.586	1.332	3.44	54.2	60.3
[7 0 1]	(0 2 0)	(1 1 -7)	4.586	1.331	3.45	82.1	84.0
[2 0 -1]	(0 2 0)	(2 -4 4)	4.586	1.331	3.45	55.0	43.4
[7 0 1]	(0 2 0)	(1 -1 -7)	4.586	1.328	3.45	81.2	84.0
[1 0 4]	(0 2 0)	(4 0 -1)	4.586	1.322	3.47	89.9	8.0
[2 0 -1]	(0 2 0)	(2 4 4)	4.586	1.321	3.47	54.4	43.4
[1 0 2]	(0 2 0)	(2 -6 -1)	4.586	1.321	3.47	30.2	16.1
[1 0 2]	(0 2 0)	(2 6 -1)	4.586	1.321	3.47	30.2	16.1
[5 0 1]	(0 2 0)	(1 5 -5)	4.586	1.308	3.51	44.9	78.2
[6 0 -1]	(0 2 0)	(1 -3 6)	4.586	1.304	3.52	65.2	65.6
[5 0 1]	(0 2 0)	(1 -5 -5)	4.586	1.299	3.53	44.5	78.2
[1 0 -2]	(0 2 0)	(2 -6 1)	4.586	1.296	3.54	32.3	14.9
[6 0 -1]	(0 2 0)	(1 3 6)	4.586	1.295	3.54	64.5	65.6
[4 0 -3]	(0 2 0)	(3 -1 4)	4.586	1.294	3.54	82.3	33.5
[4 0 -3]	(0 2 0)	(3 1 4)	4.586	1.292	3.55	81.5	33.5
[1 0 -2]	(0 2 0)	(2 6 1)	4.586	1.291	3.55	32.2	14.9
[1 0 0]	(0 2 0)	(0 2 -7)	4.586	1.285	3.57	74.2	81.3
[1 0 0]	(0 2 0)	(0 6 -4)	4.586	1.284	3.57	33.3	81.3
[1 0 0]	(0 2 0)	(0 2 7)	4.586	1.280	3.58	73.3	81.3
[3 0 4]	(0 2 0)	(4 0 -3)	4.586	1.276	3.59	90.0	23.9
[1 0 0]	(0 2 0)	(0 6 4)	4.586	1.275	3.60	33.0	81.3
[1 0 3]	(0 2 0)	(3 -5 -1)	4.586	1.272	3.61	46.2	10.7
[1 0 4]	(0 2 0)	(4 -2 -1)	4.586	1.271	3.61	74.0	8.0
[1 0 4]	(0 2 0)	(4 2 -1)	4.586	1.270	3.61	73.8	8.0
[1 0 3]	(0 2 0)	(3 5 -1)	4.586	1.270	3.61	46.1	10.7
[7 0 2]	(0 2 0)	(2 0 -7)	4.586	1.270	3.61	89.6	70.0
[1 0 -4]	(0 2 0)	(4 0 1)	4.586	1.269	3.61	89.8	7.7
[0 0 1]	(0 2 0)	(3 -5 0)	4.586	1.265	3.62	46.5	0.0
[5 0 3]	(0 2 0)	(3 3 -5)	4.586	1.262	3.63	65.8	47.0
[0 0 1]	(0 2 0)	(3 5 0)	4.586	1.262	3.63	46.4	0.0
[1 0 2]	(0 2 0)	(4 -2 -2)	4.586	1.261	3.64	74.1	16.1
[1 0 2]	(0 2 0)	(4 2 -2)	4.586	1.261	3.64	74.0	16.1
[5 0 3]	(0 2 0)	(3 -3 -5)	4.586	1.259	3.64	65.5	47.0
[0 0 1]	(0 2 0)	(4 -2 0)	4.586	1.258	3.65	74.2	0.0
[3 0 -1]	(0 2 0)	(2 0 6)	4.586	1.258	3.65	89.5	52.9
[0 0 1]	(0 2 0)	(4 2 0)	4.586	1.256	3.65	73.9	0.0
[2 0 3]	(0 2 0)	(3 5 -2)	4.586	1.255	3.65	46.8	21.3
[2 0 3]	(0 2 0)	(3 -5 -2)	4.586	1.255	3.66	46.8	21.3
[3 0 2]	(0 2 0)	(2 6 -3)	4.586	1.252	3.66	35.2	43.5
[2 0 1]	(0 2 0)	(3 1 -6)	4.586	1.249	3.67	82.4	53.1
[3 0 2]	(0 2 0)	(2 -6 -3)	4.586	1.248	3.68	35.1	43.5

Talc-Triclinic (020) 366 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[2 0 1]	(0 2 0)	(3 -1 -6)	4.586	1.248	3.68	81.9	53.1
[5 0 -1]	(0 2 0)	(1 -5 5)	4.586	1.245	3.68	47.7	62.8
[7 0 -1]	(0 2 0)	(1 -1 7)	4.586	1.240	3.70	82.7	67.7
[7 0 -1]	(0 2 0)	(1 1 7)	4.586	1.237	3.71	81.8	67.7
[1 0 -3]	(0 2 0)	(3 -5 1)	4.586	1.237	3.71	47.8	10.2
[5 0 -1]	(0 2 0)	(1 5 5)	4.586	1.235	3.71	47.2	62.8
[7 0 1]	(0 2 0)	(1 3 -7)	4.586	1.234	3.72	66.6	84.0
[1 0 -3]	(0 2 0)	(3 5 1)	4.586	1.232	3.72	47.6	10.2
[3 0 4]	(0 2 0)	(4 2 -3)	4.586	1.230	3.73	74.5	23.9
[3 0 4]	(0 2 0)	(4 -2 -3)	4.586	1.229	3.73	74.4	23.9
[7 0 1]	(0 2 0)	(1 -3 -7)	4.586	1.227	3.74	65.9	84.0
[7 0 2]	(0 2 0)	(2 2 -7)	4.586	1.226	3.74	74.9	70.0
[1 0 -4]	(0 2 0)	(4 -2 1)	4.586	1.224	3.75	74.7	7.7
[7 0 2]	(0 2 0)	(2 -2 -7)	4.586	1.222	3.75	74.2	70.0
[1 0 -4]	(0 2 0)	(4 2 1)	4.586	1.222	3.75	74.3	7.7
[3 0 1]	(0 2 0)	(2 4 -6)	4.586	1.221	3.76	58.2	65.8
[1 0 1]	(0 2 0)	(3 5 -3)	4.586	1.219	3.76	48.4	31.1
[2 0 -1]	(0 2 0)	(1 -7 2)	4.586	1.219	3.76	22.0	43.4
[1 0 1]	(0 2 0)	(3 -5 -3)	4.586	1.217	3.77	48.3	31.1
[3 0 1]	(0 2 0)	(2 -4 -6)	4.586	1.215	3.78	57.7	65.8
[5 0 -2]	(0 2 0)	(2 -4 5)	4.586	1.213	3.78	58.5	48.8
[5 0 -2]	(0 2 0)	(2 4 5)	4.586	1.205	3.81	57.9	48.8
[4 0 -3]	(0 2 0)	(3 -3 4)	4.586	1.204	3.81	67.2	33.5
[4 0 -3]	(0 2 0)	(3 3 4)	4.586	1.198	3.83	66.5	33.5
[3 0 1]	(0 2 0)	(1 7 -3)	4.586	1.195	3.84	24.6	65.8
[6 0 1]	(0 2 0)	(1 5 -6)	4.586	1.193	3.85	49.9	81.5
[3 0 1]	(0 2 0)	(1 -7 -3)	4.586	1.190	3.86	24.4	65.8
[1 0 0]	(0 2 0)	(0 6 -5)	4.586	1.188	3.86	39.5	81.3
[3 0 -2]	(0 2 0)	(2 -6 3)	4.586	1.187	3.86	39.4	36.4
[2 0 -3]	(0 2 0)	(3 5 2)	4.586	1.185	3.87	49.5	19.2
[6 0 1]	(0 2 0)	(1 -5 -6)	4.586	1.184	3.87	49.4	81.5
[1 0 1]	(0 2 0)	(4 2 -4)	4.586	1.182	3.88	75.2	31.1
[1 0 1]	(0 2 0)	(4 -2 -4)	4.586	1.181	3.88	75.0	31.1
[5 0 -3]	(0 2 0)	(3 -1 5)	4.586	1.180	3.89	83.0	38.9
[3 0 -2]	(0 2 0)	(2 6 3)	4.586	1.179	3.89	39.1	36.4
[1 0 0]	(0 2 0)	(0 6 5)	4.586	1.179	3.89	39.1	81.3
[5 0 -3]	(0 2 0)	(3 1 5)	4.586	1.178	3.89	82.2	38.9
[1 0 -2]	(0 2 0)	(4 -2 2)	4.586	1.174	3.91	75.4	14.9
[1 0 -2]	(0 2 0)	(4 2 2)	4.586	1.171	3.92	74.9	14.9
[8 0 1]	(0 2 0)	(1 1 -8)	4.586	1.171	3.92	83.1	85.8
[8 0 1]	(0 2 0)	(1 -1 -8)	4.586	1.169	3.92	82.2	85.8
[4 0 3]	(0 2 0)	(3 5 -4)	4.586	1.168	3.93	50.6	39.7
[2 0 1]	(0 2 0)	(3 3 -6)	4.586	1.167	3.93	67.8	53.1
[3 0 -1]	(0 2 0)	(1 -7 3)	4.586	1.166	3.93	27.6	52.9
[4 0 3]	(0 2 0)	(3 -5 -4)	4.586	1.165	3.94	50.4	39.7
[7 0 -1]	(0 2 0)	(1 -3 7)	4.586	1.160	3.95	68.2	67.7
[1 0 0]	(0 2 0)	(0 4 -7)	4.586	1.159	3.96	60.1	81.3
[3 0 -1]	(0 2 0)	(1 7 3)	4.586	1.158	3.96	27.4	52.9

Talc-Triclinic (020) 366 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 0 4]	(0 2 0)	(4 0 -5)	4.586	1.157	3.97	89.8	37.7
[7 0 -1]	(0 2 0)	(1 3 7)	4.586	1.154	3.98	67.4	67.7
[1 0 0]	(0 2 0)	(0 4 7)	4.586	1.150	3.99	59.4	81.3
[1 0 4]	(0 2 0)	(4 -4 -1)	4.586	1.146	4.00	60.1	8.0
[3 0 -4]	(0 2 0)	(4 0 3)	4.586	1.146	4.00	89.7	21.3
[1 0 4]	(0 2 0)	(4 4 -1)	4.586	1.145	4.01	60.0	8.0
[7 0 3]	(0 2 0)	(3 1 -7)	4.586	1.139	4.03	83.2	58.1
[4 0 1]	(0 2 0)	(1 7 -4)	4.586	1.138	4.03	30.1	73.3
[7 0 3]	(0 2 0)	(3 -1 -7)	4.586	1.138	4.03	82.6	58.1
[6 0 -1]	(0 2 0)	(1 -5 6)	4.586	1.135	4.04	52.3	65.6
[2 0 0]	(0 2 0)	(0 2 -8)	4.586	1.135	4.04	76.1	81.3
[4 0 1]	(0 2 0)	(2 0 -8)	4.586	1.133	4.05	89.6	73.3
[1 0 -1]	(0 2 0)	(3 -5 3)	4.586	1.132	4.05	52.2	27.0
[4 0 1]	(0 2 0)	(1 -7 -4)	4.586	1.131	4.06	29.9	73.3
[1 0 0]	(0 2 0)	(0 2 8)	4.586	1.130	4.06	75.3	81.3
[6 0 -1]	(0 2 0)	(1 5 6)	4.586	1.126	4.07	51.7	65.6
[1 0 -1]	(0 2 0)	(3 5 3)	4.586	1.126	4.07	51.8	27.0
[7 0 -2]	(0 2 0)	(2 0 7)	4.586	1.123	4.08	89.5	56.2
[5 0 2]	(0 2 0)	(2 6 -5)	4.586	1.122	4.09	43.1	60.3
[5 0 4]	(0 2 0)	(4 2 -5)	4.586	1.122	4.09	76.0	37.7
[5 0 4]	(0 2 0)	(4 -2 -5)	4.586	1.121	4.09	75.7	37.7
[3 0 4]	(0 2 0)	(4 4 -3)	4.586	1.116	4.11	60.9	23.9
[3 0 4]	(0 2 0)	(4 -4 -3)	4.586	1.115	4.11	60.9	23.9
[7 0 2]	(0 2 0)	(2 4 -7)	4.586	1.114	4.12	61.3	70.0
[3 0 -4]	(0 2 0)	(4 -2 3)	4.586	1.113	4.12	76.3	21.3
[1 0 -4]	(0 2 0)	(4 -4 1)	4.586	1.112	4.12	61.2	7.7
[5 0 -3]	(0 2 0)	(3 -3 5)	4.586	1.111	4.13	69.1	38.9
[3 0 -4]	(0 2 0)	(4 2 3)	4.586	1.110	4.13	75.7	21.3
[7 0 2]	(0 2 0)	(2 -4 -7)	4.586	1.108	4.14	60.7	70.0
[5 0 3]	(0 2 0)	(3 5 -5)	4.586	1.107	4.14	53.1	47.0
[3 0 -1]	(0 2 0)	(2 -4 6)	4.586	1.107	4.14	61.6	52.9
[5 0 -3]	(0 2 0)	(3 3 5)	4.586	1.105	4.15	68.4	38.9
[4 0 -1]	(0 2 0)	(1 -7 4)	4.586	1.104	4.15	33.1	58.8
[8 0 1]	(0 2 0)	(1 3 -8)	4.586	1.103	4.16	69.3	85.8
[5 0 3]	(0 2 0)	(3 -5 -5)	4.586	1.103	4.16	52.8	47.0
[3 0 -1]	(0 2 0)	(2 4 6)	4.586	1.099	4.17	60.9	52.9
[8 0 -1]	(0 2 0)	(1 -1 8)	4.586	1.099	4.17	83.6	69.3
[8 0 1]	(0 2 0)	(1 -3 -8)	4.586	1.097	4.18	68.5	85.8
[8 0 -1]	(0 2 0)	(1 1 8)	4.586	1.097	4.18	82.7	69.3
[7 0 -2]	(0 2 0)	(2 -2 7)	4.586	1.093	4.20	76.7	56.2
[7 0 -2]	(0 2 0)	(2 2 7)	4.586	1.089	4.21	75.8	56.2
[7 0 1]	(0 2 0)	(1 5 -7)	4.586	1.088	4.22	54.1	84.0
[7 0 1]	(0 2 0)	(1 -5 -7)	4.586	1.080	4.25	53.5	84.0
[1 0 0]	(0 2 0)	(0 8 -3)	4.586	1.079	4.25	20.3	81.3
[2 0 -1]	(0 2 0)	(3 -1 6)	4.586	1.077	4.26	83.7	43.4
[7 0 3]	(0 2 0)	(3 3 -7)	4.586	1.076	4.26	69.7	58.1
[2 0 -1]	(0 2 0)	(3 1 6)	4.586	1.075	4.27	82.8	43.4
[5 0 1]	(0 2 0)	(1 7 -5)	4.586	1.073	4.27	35.4	78.2

Talc-Triclinic (020) 366 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[1 0 0]	(0 2 0)	(0 8 3)	4.586	1.073	4.27	20.1	81.3
[7 0 3]	(0 2 0)	(3 -3 -7)	4.586	1.072	4.28	69.2	58.1
[4 0 -3]	(0 2 0)	(3 -5 4)	4.586	1.067	4.30	54.8	33.5
[5 0 1]	(0 2 0)	(1 -7 -5)	4.586	1.066	4.30	35.1	78.2
[4 0 -3]	(0 2 0)	(3 5 4)	4.586	1.061	4.32	54.3	33.5
[3 0 2]	(0 2 0)	(4 2 -6)	4.586	1.057	4.34	76.9	43.5
[3 0 2]	(0 2 0)	(4 -2 -6)	4.586	1.056	4.35	76.5	43.5
[1 0 3]	(0 2 0)	(3 -7 -1)	4.586	1.052	4.36	36.7	10.7
[0 0 1]	(0 2 0)	(2 -8 0)	4.586	1.051	4.36	23.7	0.0
[1 0 3]	(0 2 0)	(3 7 -1)	4.586	1.051	4.36	36.6	10.7
[1 0 2]	(0 2 0)	(2 -8 -1)	4.586	1.051	4.36	23.6	16.1
[1 0 5]	(0 2 0)	(5 -1 -1)	4.586	1.050	4.37	83.5	6.4
[1 0 2]	(0 2 0)	(2 8 -1)	4.586	1.050	4.37	23.6	16.1
[1 0 5]	(0 2 0)	(5 1 -1)	4.586	1.050	4.37	83.3	6.4
[0 0 1]	(0 2 0)	(2 8 0)	4.586	1.049	4.37	23.7	0.0
[2 0 5]	(0 2 0)	(5 -1 -2)	4.586	1.048	4.37	83.5	12.9
[2 0 5]	(0 2 0)	(5 1 -2)	4.586	1.048	4.38	83.4	12.9
[1 0 -1]	(0 2 0)	(4 -2 4)	4.586	1.047	4.38	77.2	27.0
[0 0 1]	(0 2 0)	(3 7 0)	4.586	1.046	4.38	36.9	0.0
[5 0 -2]	(0 2 0)	(2 -6 5)	4.586	1.046	4.39	47.3	48.8
[1 0 -1]	(0 2 0)	(4 2 4)	4.586	1.044	4.39	76.5	27.0
[9 0 1]	(0 2 0)	(1 1 -9)	4.586	1.044	4.39	83.9	87.2
[8 0 -1]	(0 2 0)	(1 -3 8)	4.586	1.043	4.40	70.5	69.3
[2 0 3]	(0 2 0)	(3 7 -2)	4.586	1.043	4.40	37.3	21.3
[2 0 3]	(0 2 0)	(3 -7 -2)	4.586	1.042	4.40	37.3	21.3
[9 0 1]	(0 2 0)	(1 -1 -9)	4.586	1.042	4.40	83.0	87.2
[2 0 1]	(0 2 0)	(3 5 -6)	4.586	1.041	4.41	55.7	53.1
[8 0 3]	(0 2 0)	(3 1 -8)	4.586	1.041	4.41	83.8	62.3
[0 0 1]	(0 2 0)	(5 -1 0)	4.586	1.039	4.41	83.7	0.0
[8 0 3]	(0 2 0)	(3 -1 -8)	4.586	1.039	4.41	83.2	62.3
[0 0 1]	(0 2 0)	(5 1 0)	4.586	1.039	4.41	83.3	0.0
[1 0 1]	(0 2 0)	(2 8 -2)	4.586	1.039	4.42	25.1	31.1
[1 0 -2]	(0 2 0)	(2 -8 1)	4.586	1.038	4.42	25.4	14.9
[5 0 -1]	(0 2 0)	(1 -7 5)	4.586	1.038	4.42	38.1	62.8
[5 0 -2]	(0 2 0)	(2 6 5)	4.586	1.038	4.42	46.8	48.8
[1 0 1]	(0 2 0)	(2 -8 -2)	4.586	1.037	4.42	25.1	31.1
[8 0 -1]	(0 2 0)	(1 3 8)	4.586	1.037	4.42	69.7	69.3
[7 0 -1]	(0 2 0)	(1 -5 7)	4.586	1.037	4.42	56.1	67.7
[2 0 1]	(0 2 0)	(3 -5 -6)	4.586	1.036	4.42	55.3	53.1
[1 0 -2]	(0 2 0)	(2 8 1)	4.586	1.035	4.43	25.3	14.9
[5 0 4]	(0 2 0)	(4 4 -5)	4.586	1.034	4.44	63.4	37.7
[3 0 5]	(0 2 0)	(5 -1 -3)	4.586	1.033	4.44	83.5	19.3
[5 0 4]	(0 2 0)	(4 -4 -5)	4.586	1.032	4.45	63.1	37.7
[5 0 -1]	(0 2 0)	(1 7 5)	4.586	1.030	4.45	37.7	62.8
[7 0 -1]	(0 2 0)	(1 5 7)	4.586	1.029	4.46	55.4	67.7
[1 0 -3]	(0 2 0)	(3 7 1)	4.586	1.029	4.46	38.0	10.2
[3 0 -4]	(0 2 0)	(4 -4 3)	4.586	1.027	4.47	63.7	21.3
[3 0 -4]	(0 2 0)	(4 4 3)	4.586	1.023	4.49	63.2	21.3

Talc-Triclinic (020) 366 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[1 0 1]	(0 2 0)	(3 7 -3)	4.586	1.022	4.49	38.8	31.1
[1 0 1]	(0 2 0)	(3 -7 -3)	4.586	1.020	4.49	38.8	31.1
[9 0 2]	(0 2 0)	(2 0 -9)	4.586	1.020	4.50	89.6	76.0
[4 0 1]	(0 2 0)	(2 4 -8)	4.586	1.018	4.50	64.0	73.3
[1 0 -5]	(0 2 0)	(5 -1 1)	4.586	1.017	4.51	83.8	6.2
[1 0 -5]	(0 2 0)	(5 1 1)	4.586	1.016	4.52	83.4	6.2
[3 0 2]	(0 2 0)	(2 8 -3)	4.586	1.015	4.52	27.9	43.5
[1 0 0]	(0 2 0)	(0 2 -9)	4.586	1.015	4.52	77.7	81.3
[1 0 -1]	(0 2 0)	(2 -8 2)	4.586	1.014	4.52	28.2	27.0
[7 0 4]	(0 2 0)	(4 0 -7)	4.586	1.014	4.52	89.8	48.6
[4 0 1]	(0 2 0)	(2 -4 -8)	4.586	1.013	4.53	63.4	73.3
[3 0 2]	(0 2 0)	(2 -8 -3)	4.586	1.012	4.53	27.8	43.5
[7 0 -2]	(0 2 0)	(2 -4 7)	4.586	1.012	4.53	64.3	56.2
[4 0 -1]	(0 2 0)	(2 0 8)	4.586	1.012	4.53	89.5	58.8
[1 0 0]	(0 2 0)	(0 2 9)	4.586	1.012	4.53	76.8	81.3
[1 0 0]	(0 2 0)	(0 6 -7)	4.586	1.010	4.54	49.1	81.3
[1 0 -1]	(0 2 0)	(2 8 2)	4.586	1.009	4.55	28.0	27.0
[4 0 5]	(0 2 0)	(5 1 -4)	4.586	1.007	4.55	83.7	25.4
[4 0 5]	(0 2 0)	(5 -1 -4)	4.586	1.007	4.55	83.6	25.4
[6 0 1]	(0 2 0)	(1 7 -6)	4.586	1.007	4.55	40.2	81.5
[2 0 -3]	(0 2 0)	(3 -7 2)	4.586	1.005	4.56	40.2	19.2
[7 0 -2]	(0 2 0)	(2 4 7)	4.586	1.005	4.56	63.5	56.2
[5 0 -4]	(0 2 0)	(4 0 5)	4.586	1.003	4.57	89.6	32.0
[1 0 0]	(0 2 0)	(0 6 7)	4.586	1.002	4.58	48.6	81.3
[1 0 4]	(0 2 0)	(4 -6 -1)	4.586	1.001	4.58	49.2	8.0
[5 0 -3]	(0 2 0)	(3 -5 5)	4.586	1.001	4.58	57.3	38.9
[0 0 1]	(0 2 0)	(1 -9 0)	4.586	1.001	4.58	11.0	0.0
[2 0 -3]	(0 2 0)	(3 7 2)	4.586	1.000	4.58	39.9	19.2

Talc-Triclinic (110) 368 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[1 -1 0]	(1 1 0)	(0 0 1)	4.538	9.351	0.49	82.2	86.1
[0 0 1]	(1 1 0)	(0 2 0)	4.538	4.586	0.99	60.2	0.0
[0 0 1]	(1 1 0)	(1 -1 0)	4.538	4.548	1.00	59.4	0.0
[1 -1 0]	(1 1 0)	(1 1 -1)	4.538	4.318	1.05	27.2	86.1
[1 -1 2]	(1 1 0)	(1 -1 -1)	4.538	4.312	1.05	65.1	30.1
[1 -1 -2]	(1 1 0)	(0 2 -1)	4.538	4.131	1.10	67.2	28.3
[1 -1 2]	(1 1 0)	(0 2 1)	4.538	4.104	1.11	59.7	30.1
[1 -1 -2]	(1 1 0)	(1 -1 1)	4.538	3.900	1.16	60.5	28.3
[1 -1 0]	(1 1 0)	(1 1 1)	4.538	3.882	1.17	24.3	86.1
[1 -1 0]	(1 1 0)	(1 1 -2)	4.538	3.501	1.30	47.9	86.1
[1 -1 1]	(1 1 0)	(1 -1 -2)	4.538	3.490	1.30	73.1	50.4
[1 -1 -1]	(1 1 0)	(0 2 -2)	4.538	3.288	1.38	74.8	46.1
[1 -1 1]	(1 1 0)	(0 2 2)	4.538	3.261	1.39	63.4	50.4
[1 -1 -1]	(1 1 0)	(1 -1 2)	4.538	3.071	1.48	64.4	46.1
[1 -1 0]	(1 1 0)	(1 1 2)	4.538	3.057	1.48	40.4	86.1
[1 -1 0]	(1 1 0)	(1 1 -3)	4.538	2.748	1.65	60.9	86.1
[3 -3 2]	(1 1 0)	(1 -1 -3)	4.538	2.739	1.66	79.2	62.1
[0 0 1]	(1 1 0)	(1 -3 0)	4.538	2.643	1.72	89.5	0.0
[0 0 1]	(1 1 0)	(1 3 0)	4.538	2.636	1.72	29.9	0.0
[1 -1 2]	(1 1 0)	(2 0 -1)	4.538	2.623	1.73	33.5	30.1
[0 0 1]	(1 1 0)	(2 0 0)	4.538	2.615	1.74	29.6	0.0
[1 -1 -2]	(1 1 0)	(1 3 -1)	4.538	2.594	1.75	35.4	28.3
[1 -1 4]	(1 1 0)	(1 -3 -1)	4.538	2.590	1.75	88.4	15.8
[3 -3 -2]	(1 1 0)	(0 2 -3)	4.538	2.588	1.75	80.3	56.4
[3 -3 2]	(1 1 0)	(0 2 3)	4.538	2.568	1.77	67.1	62.1
[1 -1 -4]	(1 1 0)	(1 -3 1)	4.538	2.498	1.82	87.4	15.4
[1 -1 2]	(1 1 0)	(1 3 1)	4.538	2.484	1.83	31.5	30.1
[1 -1 1]	(1 1 0)	(2 0 -2)	4.538	2.445	1.86	42.1	50.4
[3 -3 -2]	(1 1 0)	(1 -1 3)	4.538	2.431	1.87	67.8	56.4
[1 -1 -2]	(1 1 0)	(2 0 1)	4.538	2.425	1.87	32.7	28.3
[1 -1 0]	(1 1 0)	(1 1 3)	4.538	2.421	1.87	50.3	86.1
[1 -1 -1]	(1 1 0)	(1 3 -2)	4.538	2.383	1.90	44.4	46.1
[1 -1 2]	(1 1 0)	(1 -3 -2)	4.538	2.372	1.91	86.6	30.1
[1 -1 4]	(1 1 0)	(2 -2 -1)	4.538	2.277	1.99	61.5	15.8
[1 -1 -2]	(1 1 0)	(1 -3 2)	4.538	2.235	2.03	85.8	28.3
[1 -1 -4]	(1 1 0)	(0 4 -1)	4.538	2.231	2.03	63.2	15.4
[1 -1 4]	(1 1 0)	(0 4 1)	4.538	2.223	2.04	59.1	15.8
[1 -1 1]	(1 1 0)	(1 3 2)	4.538	2.219	2.05	37.5	50.4
[1 -1 0]	(1 1 0)	(1 1 -4)	4.538	2.203	2.06	69.0	86.1
[2 -2 1]	(1 1 0)	(1 -1 -4)	4.538	2.196	2.07	83.2	69.2
[3 -3 2]	(1 1 0)	(2 0 -3)	4.538	2.171	2.09	51.1	62.1
[1 -1 -1]	(1 1 0)	(2 0 2)	4.538	2.148	2.11	39.1	46.1
[1 -1 -4]	(1 1 0)	(2 -2 1)	4.538	2.148	2.11	59.2	15.4
[3 -3 -2]	(1 1 0)	(1 3 -3)	4.538	2.101	2.16	53.2	56.4
[2 -2 -1]	(1 1 0)	(0 2 -4)	4.538	2.090	2.17	83.9	62.7
[3 -3 4]	(1 1 0)	(1 -3 -3)	4.538	2.088	2.17	85.2	41.6
[2 -2 1]	(1 1 0)	(0 2 4)	4.538	2.076	2.19	69.8	69.2
[2 -2 -1]	(1 1 0)	(1 -1 4)	4.538	1.979	2.29	70.4	62.7

Talc-Triclinic (110) 368 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$
[1 -1 0]	(1 1 0)	(1 1 4)	4.538	1.973	2.30	56.7	86.1
[1 -1 0]	(1 1 0)	(2 2 -3)	4.538	1.965	2.31	38.7	86.1
[3 -3 4]	(1 1 0)	(2 -2 -3)	4.538	1.960	2.32	69.3	41.6
[3 -3 -4]	(1 1 0)	(1 -3 3)	4.538	1.950	2.33	84.7	38.4
[3 -3 2]	(1 1 0)	(1 3 3)	4.538	1.935	2.34	43.9	62.1
[2 -2 1]	(1 1 0)	(2 0 -4)	4.538	1.890	2.40	58.7	69.2
[3 -3 -2]	(1 1 0)	(2 0 3)	4.538	1.869	2.43	45.4	56.4
[3 -3 -4]	(1 1 0)	(0 4 -3)	4.538	1.855	2.45	71.2	38.4
[3 -3 4]	(1 1 0)	(0 4 3)	4.538	1.840	2.47	61.4	41.6
[2 -2 -1]	(1 1 0)	(1 3 -4)	4.538	1.826	2.48	60.3	62.7
[1 -1 0]	(1 1 0)	(1 1 -5)	4.538	1.818	2.50	74.4	86.1
[1 -1 1]	(1 1 0)	(1 -3 -4)	4.538	1.814	2.50	84.4	50.4
[5 -5 2]	(1 1 0)	(1 -1 -5)	4.538	1.813	2.50	85.9	73.9
[5 -5 -2]	(1 1 0)	(0 2 -5)	4.538	1.737	2.61	86.4	66.9
[3 -3 -4]	(1 1 0)	(2 -2 3)	4.538	1.735	2.62	62.4	38.4
[0 0 1]	(1 1 0)	(1 -5 0)	4.538	1.733	2.62	79.5	0.0
[1 -1 4]	(1 1 0)	(3 -1 -1)	4.538	1.731	2.62	41.9	15.8
[1 -1 2]	(1 1 0)	(3 1 -1)	4.538	1.730	2.62	21.3	30.1
[0 0 1]	(1 1 0)	(1 5 0)	4.538	1.730	2.62	40.9	0.0
[5 -5 2]	(1 1 0)	(0 2 5)	4.538	1.727	2.63	71.8	73.9
[1 -1 6]	(1 1 0)	(2 -4 -1)	4.538	1.727	2.63	79.9	10.6
[1 -1 0]	(1 1 0)	(2 2 3)	4.538	1.727	2.63	33.3	86.1
[0 0 1]	(1 1 0)	(2 -4 0)	4.538	1.726	2.63	78.5	0.0
[1 -1 -2]	(1 1 0)	(2 4 -1)	4.538	1.726	2.63	22.6	28.3
[1 -1 -4]	(1 1 0)	(1 5 -1)	4.538	1.719	2.64	43.4	15.4
[1 -1 6]	(1 1 0)	(1 -5 -1)	4.538	1.717	2.64	78.2	10.6
[0 0 1]	(1 1 0)	(3 -1 0)	4.538	1.713	2.65	40.4	0.0
[1 -1 -1]	(1 1 0)	(1 -3 4)	4.538	1.694	2.68	84.0	46.1
[1 -1 1]	(1 1 0)	(3 1 -2)	4.538	1.691	2.68	27.6	50.4
[1 -1 2]	(1 1 0)	(3 -1 -2)	4.538	1.691	2.68	45.4	30.1
[1 -1 -6]	(1 1 0)	(1 -5 1)	4.538	1.691	2.68	81.2	10.5
[1 -1 4]	(1 1 0)	(1 5 1)	4.538	1.683	2.70	40.5	15.8
[2 -2 1]	(1 1 0)	(1 3 4)	4.538	1.681	2.70	49.5	69.2
[1 -1 -1]	(1 1 0)	(2 4 -2)	4.538	1.674	2.71	29.4	46.1
[1 -1 3]	(1 1 0)	(2 -4 -2)	4.538	1.671	2.72	81.7	20.8
[1 -1 -6]	(1 1 0)	(2 -4 1)	4.538	1.670	2.72	77.5	10.5
[1 -1 2]	(1 1 0)	(2 4 1)	4.538	1.662	2.73	20.5	30.1
[5 -5 -2]	(1 1 0)	(1 -1 5)	4.538	1.657	2.74	72.2	66.9
[1 -1 -2]	(1 1 0)	(1 5 -2)	4.538	1.654	2.74	47.5	28.3
[1 -1 0]	(1 1 0)	(1 1 5)	4.538	1.652	2.75	61.1	86.1
[1 -1 3]	(1 1 0)	(1 -5 -2)	4.538	1.647	2.75	77.3	20.8
[1 -1 -4]	(1 1 0)	(3 -1 1)	4.538	1.643	2.76	41.1	15.4
[5 -5 2]	(1 1 0)	(2 0 -5)	4.538	1.643	2.76	64.7	73.9
[1 -1 -2]	(1 1 0)	(3 1 1)	4.538	1.641	2.77	21.5	28.3
[2 -2 -1]	(1 1 0)	(2 0 4)	4.538	1.625	2.79	50.7	62.7
[3 -3 2]	(1 1 0)	(3 1 -3)	4.538	1.605	2.83	35.1	62.1
[3 -3 4]	(1 1 0)	(3 -1 -3)	4.538	1.604	2.83	50.0	41.6
[1 -1 -3]	(1 1 0)	(1 -5 2)	4.538	1.603	2.83	83.0	20.0

Talc-Triclinic (110) 368 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[1 -1 2]	(1 1 0)	(1 5 2)	4.538	1.593	2.85	42.1	30.1
[5 -5 -2]	(1 1 0)	(1 3 -5)	4.538	1.589	2.86	65.9	66.9
[3 -3 -2]	(1 1 0)	(2 4 -3)	4.538	1.579	2.87	37.0	56.4
[5 -5 4]	(1 1 0)	(1 -3 -5)	4.538	1.579	2.87	83.8	57.1
[1 -1 2]	(1 1 0)	(2 -4 -3)	4.538	1.574	2.88	83.5	30.1
[1 -1 -3]	(1 1 0)	(2 -4 2)	4.538	1.573	2.89	76.9	20.0
[1 -1 1]	(1 1 0)	(2 4 2)	4.538	1.563	2.90	25.4	50.4
[3 -3 -4]	(1 1 0)	(1 5 -3)	4.538	1.551	2.93	52.4	38.4
[1 -1 0]	(1 1 0)	(2 2 -5)	4.538	1.550	2.93	55.2	86.1
[5 -5 4]	(1 1 0)	(2 -2 -5)	4.538	1.544	2.94	76.4	57.1
[1 -1 2]	(1 1 0)	(1 -5 -3)	4.538	1.542	2.94	76.8	30.1
[1 -1 0]	(1 1 0)	(1 1 -6)	4.538	1.539	2.95	78.1	86.1
[1 -1 -2]	(1 1 0)	(3 -1 2)	4.538	1.538	2.95	43.3	28.3
[3 -3 1]	(1 1 0)	(1 -1 -6)	4.538	1.536	2.96	87.8	77.1
[1 -1 -1]	(1 1 0)	(3 1 2)	4.538	1.535	2.96	26.8	46.1
[1 -1 6]	(1 1 0)	(3 -3 -1)	4.538	1.528	2.97	60.6	10.6
[1 -1 -6]	(1 1 0)	(0 6 -1)	4.538	1.511	3.00	62.0	10.5
[1 -1 6]	(1 1 0)	(0 6 1)	4.538	1.507	3.01	59.2	10.6
[1 -1 3]	(1 1 0)	(3 -3 -2)	4.538	1.499	3.03	62.6	20.8
[2 -2 1]	(1 1 0)	(3 1 -4)	4.538	1.492	3.04	42.4	69.2
[1 -1 1]	(1 1 0)	(3 -1 -4)	4.538	1.490	3.04	54.8	50.4
[1 -1 -2]	(1 1 0)	(1 -5 3)	4.538	1.488	3.05	84.8	28.3
[3 -3 -1]	(1 1 0)	(0 2 -6)	4.538	1.479	3.07	88.2	69.9
[5 -5 -4]	(1 1 0)	(1 -3 5)	4.538	1.479	3.07	83.6	51.9
[3 -3 4]	(1 1 0)	(1 5 3)	4.538	1.477	3.07	44.8	41.6
[3 -3 1]	(1 1 0)	(0 2 6)	4.538	1.472	3.08	73.3	77.1
[5 -5 2]	(1 1 0)	(1 3 5)	4.538	1.469	3.09	53.9	73.9
[1 -1 -6]	(1 1 0)	(3 -3 1)	4.538	1.467	3.09	59.1	10.5
[2 -2 -1]	(1 1 0)	(2 4 -4)	4.538	1.462	3.10	44.1	62.7
[1 -1 -3]	(1 1 0)	(0 6 -2)	4.538	1.457	3.12	64.4	20.0
[2 -2 3]	(1 1 0)	(2 -4 -4)	4.538	1.455	3.12	85.2	38.1
[5 -5 -4]	(1 1 0)	(0 4 -5)	4.538	1.455	3.12	77.9	51.9
[1 -1 -2]	(1 1 0)	(2 -4 3)	4.538	1.454	3.12	76.6	28.3
[1 -1 3]	(1 1 0)	(0 6 2)	4.538	1.450	3.13	59.1	20.8
[3 -3 2]	(1 1 0)	(2 4 3)	4.538	1.444	3.14	31.2	62.1
[5 -5 4]	(1 1 0)	(0 4 5)	4.538	1.444	3.14	65.3	57.1
[3 -3 1]	(1 1 0)	(2 0 -6)	4.538	1.438	3.16	69.3	77.1
[1 -1 -1]	(1 1 0)	(1 5 -4)	4.538	1.430	3.17	57.1	46.1
[5 -5 -2]	(1 1 0)	(2 0 5)	4.538	1.423	3.19	54.9	66.9
[2 -2 3]	(1 1 0)	(1 -5 -4)	4.538	1.421	3.19	76.6	38.1
[3 -3 -1]	(1 1 0)	(1 -1 6)	4.538	1.420	3.20	73.6	69.9
[1 -1 0]	(1 1 0)	(1 1 6)	4.538	1.416	3.20	64.2	86.1
[3 -3 -4]	(1 1 0)	(3 -1 3)	4.538	1.416	3.20	46.3	38.4
[3 -3 -2]	(1 1 0)	(3 1 3)	4.538	1.414	3.21	32.6	56.4
[3 -3 -1]	(1 1 0)	(1 3 -6)	4.538	1.393	3.26	70.3	69.9
[1 -1 -3]	(1 1 0)	(3 -3 2)	4.538	1.391	3.26	59.5	20.0
[3 -3 2]	(1 1 0)	(1 -3 -6)	4.538	1.385	3.28	83.4	62.1
[5 -5 2]	(1 1 0)	(3 1 -5)	4.538	1.369	3.31	48.9	73.9

Talc-Triclinic (110) 368 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 -5 4]	(1 1 0)	(3 -1 -5)	4.538	1.367	3.32	59.4	57.1
[2 -2 -3]	(1 1 0)	(1 -5 4)	4.538	1.365	3.32	86.3	35.4
[5 -5 -4]	(1 1 0)	(2 -2 5)	4.538	1.362	3.33	66.2	51.9
[1 -1 0]	(1 1 0)	(3 3 -4)	4.538	1.356	3.35	35.1	86.1
[1 -1 1]	(1 1 0)	(1 5 4)	4.538	1.354	3.35	47.9	50.4
[2 -2 3]	(1 1 0)	(3 -3 -4)	4.538	1.353	3.35	67.9	38.1
[5 -5 -2]	(1 1 0)	(2 4 -5)	4.538	1.339	3.39	50.3	66.9
[5 -5 6]	(1 1 0)	(2 -4 -5)	4.538	1.332	3.41	86.7	44.8
[1 -1 0]	(1 1 0)	(1 1 -7)	4.538	1.331	3.41	80.9	86.1
[2 -2 -3]	(1 1 0)	(2 -4 4)	4.538	1.331	3.41	76.7	35.4
[7 -7 2]	(1 1 0)	(1 -1 -7)	4.538	1.328	3.42	89.2	79.4
[1 -1 4]	(1 1 0)	(4 0 -1)	4.538	1.322	3.43	30.7	15.8
[2 -2 1]	(1 1 0)	(2 4 4)	4.538	1.321	3.43	36.7	69.2
[1 -1 8]	(1 1 0)	(2 -6 -1)	4.538	1.321	3.43	89.5	7.9
[1 -1 -4]	(1 1 0)	(2 6 -1)	4.538	1.321	3.44	31.9	15.4
[5 -5 -4]	(1 1 0)	(1 5 -5)	4.538	1.308	3.47	61.5	51.9
[3 -3 -2]	(1 1 0)	(1 -3 6)	4.538	1.304	3.48	83.2	56.4
[5 -5 6]	(1 1 0)	(1 -5 -5)	4.538	1.299	3.49	76.7	44.8
[1 -1 -8]	(1 1 0)	(2 -6 1)	4.538	1.296	3.50	88.4	8.0
[3 -3 1]	(1 1 0)	(1 3 6)	4.538	1.295	3.50	57.4	77.1
[1 -1 -1]	(1 1 0)	(3 -1 4)	4.538	1.294	3.51	49.5	46.1
[2 -2 -1]	(1 1 0)	(3 1 4)	4.538	1.292	3.51	37.9	62.7
[1 -1 4]	(1 1 0)	(2 6 1)	4.538	1.291	3.52	29.9	15.8
[7 -7 -2]	(1 1 0)	(0 2 -7)	4.538	1.285	3.53	89.5	72.0
[2 -2 -3]	(1 1 0)	(0 6 -4)	4.538	1.284	3.53	69.9	35.4
[7 -7 2]	(1 1 0)	(0 2 7)	4.538	1.280	3.55	74.4	79.4
[3 -3 4]	(1 1 0)	(4 0 -3)	4.538	1.276	3.56	37.5	41.6
[2 -2 3]	(1 1 0)	(0 6 4)	4.538	1.275	3.56	60.8	38.1
[0 0 1]	(1 1 0)	(1 -7 0)	4.538	1.272	3.57	74.3	0.0
[1 -1 8]	(1 1 0)	(3 -5 -1)	4.538	1.272	3.57	74.3	7.9
[1 -1 6]	(1 1 0)	(4 -2 -1)	4.538	1.271	3.57	46.5	10.6
[0 0 1]	(1 1 0)	(1 7 0)	4.538	1.270	3.57	46.1	0.0
[7 -7 2]	(1 1 0)	(2 0 -7)	4.538	1.270	3.57	72.9	79.4
[1 -1 -4]	(1 1 0)	(4 0 1)	4.538	1.269	3.58	30.5	15.4
[1 -1 -6]	(1 1 0)	(1 7 -1)	4.538	1.266	3.58	47.7	10.5
[0 0 1]	(1 1 0)	(3 -5 0)	4.538	1.265	3.59	73.3	0.0
[1 -1 8]	(1 1 0)	(1 -7 -1)	4.538	1.265	3.59	73.3	7.9
[1 -1 0]	(1 1 0)	(3 3 -5)	4.538	1.262	3.59	42.0	86.1
[1 -1 3]	(1 1 0)	(4 -2 -2)	4.538	1.261	3.60	48.3	20.8
[1 -1 1]	(1 1 0)	(4 2 -2)	4.538	1.261	3.60	20.2	50.4
[5 -5 6]	(1 1 0)	(3 -3 -5)	4.538	1.259	3.61	70.6	44.8
[0 0 1]	(1 1 0)	(4 -2 0)	4.538	1.258	3.61	45.6	0.0
[3 -3 -1]	(1 1 0)	(2 0 6)	4.538	1.258	3.61	58.2	69.9
[1 -1 -8]	(1 1 0)	(1 -7 1)	4.538	1.256	3.61	75.6	8.0
[1 -1 -1]	(1 1 0)	(3 5 -2)	4.538	1.255	3.62	21.6	46.1
[1 -1 4]	(1 1 0)	(3 -5 -2)	4.538	1.255	3.62	75.6	15.8
[3 -3 -4]	(1 1 0)	(2 6 -3)	4.538	1.252	3.62	39.7	38.4
[1 -1 6]	(1 1 0)	(1 7 1)	4.538	1.251	3.63	45.5	10.6

Talc-Triclinic (110) 368 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$
[3 -3 1]	(1 1 0)	(3 1 -6)	4.538	1.249	3.63	54.4	77.1
[3 -3 8]	(1 1 0)	(2 -6 -3)	4.538	1.248	3.64	87.4	23.3
[3 -3 2]	(1 1 0)	(3 -1 -6)	4.538	1.248	3.64	63.5	62.1
[5 -5 -6]	(1 1 0)	(1 -5 5)	4.538	1.245	3.64	87.7	41.2
[1 -1 -3]	(1 1 0)	(1 7 -2)	4.538	1.240	3.66	50.2	20.0
[7 -7 -2]	(1 1 0)	(1 -1 7)	4.538	1.240	3.66	74.7	72.0
[1 -1 0]	(1 1 0)	(1 1 7)	4.538	1.237	3.67	66.6	86.1
[1 -1 -8]	(1 1 0)	(3 -5 1)	4.538	1.237	3.67	72.6	8.0
[1 -1 4]	(1 1 0)	(1 -7 -2)	4.538	1.236	3.67	72.6	15.8
[5 -5 4]	(1 1 0)	(1 5 5)	4.538	1.235	3.67	51.0	57.1
[7 -7 -2]	(1 1 0)	(1 3 -7)	4.538	1.234	3.68	73.7	72.0
[3 -3 2]	(1 1 0)	(4 2 -3)	4.538	1.230	3.69	26.2	62.1
[1 -1 2]	(1 1 0)	(4 -2 -3)	4.538	1.229	3.69	50.9	30.1
[7 -7 4]	(1 1 0)	(1 -3 -7)	4.538	1.227	3.70	83.1	66.1
[1 -1 0]	(1 1 0)	(2 2 -7)	4.538	1.226	3.70	65.4	86.1
[1 -1 -6]	(1 1 0)	(4 -2 1)	4.538	1.224	3.71	45.7	10.5
[7 -7 4]	(1 1 0)	(2 -2 -7)	4.538	1.222	3.71	81.4	66.1
[3 -3 -1]	(1 1 0)	(2 4 -6)	4.538	1.221	3.72	55.6	69.9
[3 -3 -2]	(1 1 0)	(3 5 -3)	4.538	1.219	3.72	27.7	56.4
[1 -1 -4]	(1 1 0)	(1 -7 2)	4.538	1.219	3.72	77.0	15.4
[3 -3 8]	(1 1 0)	(3 -5 -3)	4.538	1.217	3.73	77.0	23.3
[1 -1 1]	(1 1 0)	(2 -4 -6)	4.538	1.215	3.74	88.0	50.4
[5 -5 -6]	(1 1 0)	(2 -4 5)	4.538	1.213	3.74	76.8	41.2
[1 -1 3]	(1 1 0)	(1 7 2)	4.538	1.212	3.74	45.9	20.8
[5 -5 2]	(1 1 0)	(2 4 5)	4.538	1.205	3.77	41.5	73.9
[2 -2 -3]	(1 1 0)	(3 -3 4)	4.538	1.204	3.77	61.7	35.4
[1 -1 0]	(1 1 0)	(3 3 4)	4.538	1.198	3.79	30.5	86.1
[1 -1 -2]	(1 1 0)	(1 7 -3)	4.538	1.195	3.80	53.1	28.3
[3 -3 -2]	(1 1 0)	(1 5 -6)	4.538	1.193	3.80	65.3	56.4
[3 -3 8]	(1 1 0)	(1 -7 -3)	4.538	1.190	3.81	72.2	23.3
[5 -5 -6]	(1 1 0)	(0 6 -5)	4.538	1.188	3.82	72.5	41.2
[3 -3 -8]	(1 1 0)	(2 -6 3)	4.538	1.187	3.82	86.6	22.2
[2 -2 1]	(1 1 0)	(4 2 -4)	4.538	1.182	3.84	32.3	69.2
[2 -2 3]	(1 1 0)	(4 -2 -4)	4.538	1.181	3.84	53.9	38.1
[5 -5 -4]	(1 1 0)	(3 -1 5)	4.538	1.180	3.85	52.4	51.9
[3 -3 4]	(1 1 0)	(2 6 3)	4.538	1.179	3.85	34.3	41.6
[5 -5 6]	(1 1 0)	(0 6 5)	4.538	1.179	3.85	62.1	44.8
[5 -5 -2]	(1 1 0)	(3 1 5)	4.538	1.178	3.85	42.6	66.9
[1 -1 -3]	(1 1 0)	(4 -2 2)	4.538	1.174	3.87	46.6	20.0
[1 -1 -1]	(1 1 0)	(4 2 2)	4.538	1.171	3.88	20.1	46.1
[1 -1 0]	(1 1 0)	(1 1 -8)	4.538	1.171	3.88	82.9	86.1
[4 -4 1]	(1 1 0)	(1 -1 -8)	4.538	1.169	3.88	89.8	81.2
[2 -2 -1]	(1 1 0)	(3 5 -4)	4.538	1.168	3.88	33.8	62.7
[1 -1 0]	(1 1 0)	(3 3 -6)	4.538	1.167	3.89	47.9	86.1
[3 -3 -8]	(1 1 0)	(1 -7 3)	4.538	1.166	3.89	78.6	22.2
[1 -1 2]	(1 1 0)	(3 -5 -4)	4.538	1.165	3.90	78.6	30.1
[7 -7 -4]	(1 1 0)	(1 -3 7)	4.538	1.160	3.91	83.0	59.9
[7 -7 -4]	(1 1 0)	(0 4 -7)	4.538	1.159	3.92	82.3	59.9

Talc-Triclinic (110) 368 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[1 -1 2]	(1 1 0)	(1 7 3)	4.538	1.158	3.92	47.0	30.1
[5 -5 4]	(1 1 0)	(4 0 -5)	4.538	1.157	3.92	46.7	57.1
[7 -7 2]	(1 1 0)	(1 3 7)	4.538	1.154	3.93	60.3	79.4
[7 -7 4]	(1 1 0)	(0 4 7)	4.538	1.150	3.95	68.6	66.1
[1 -1 8]	(1 1 0)	(4 -4 -1)	4.538	1.146	3.96	60.2	7.9
[3 -3 -4]	(1 1 0)	(4 0 3)	4.538	1.146	3.96	35.8	38.4
[1 -1 -8]	(1 1 0)	(0 8 -1)	4.538	1.139	3.98	61.5	8.0
[7 -7 2]	(1 1 0)	(3 1 -7)	4.538	1.139	3.98	59.0	79.4
[2 -2 -3]	(1 1 0)	(1 7 -4)	4.538	1.138	3.99	56.3	35.4
[7 -7 4]	(1 1 0)	(3 -1 -7)	4.538	1.138	3.99	67.0	66.1
[1 -1 8]	(1 1 0)	(0 8 1)	4.538	1.137	3.99	59.4	7.9
[1 -1 -1]	(1 1 0)	(1 -5 6)	4.538	1.135	4.00	88.8	46.1
[4 -4 -1]	(1 1 0)	(0 -2 8)	4.538	1.135	4.00	89.5	73.7
[4 -4 1]	(1 1 0)	(2 0 -8)	4.538	1.133	4.01	75.8	81.2
[3 -3 -8]	(1 1 0)	(3 -5 3)	4.538	1.132	4.01	72.1	22.2
[1 -1 2]	(1 1 0)	(1 -7 -4)	4.538	1.131	4.01	72.2	30.1
[4 -4 1]	(1 1 0)	(0 2 8)	4.538	1.130	4.01	75.3	81.2
[3 -3 2]	(1 1 0)	(1 5 6)	4.538	1.126	4.03	53.9	62.1
[3 -3 2]	(1 1 0)	(3 5 3)	4.538	1.126	4.03	23.8	62.1
[7 -7 -2]	(1 1 0)	(2 0 7)	4.538	1.123	4.04	60.9	72.0
[5 -5 -4]	(1 1 0)	(2 6 -5)	4.538	1.122	4.04	48.9	51.9
[5 -5 2]	(1 1 0)	(4 2 -5)	4.538	1.122	4.04	38.1	73.9
[5 -5 6]	(1 1 0)	(4 -2 -5)	4.538	1.121	4.05	57.1	44.8
[5 -5 8]	(1 1 0)	(2 -6 -5)	4.538	1.116	4.07	85.8	36.2
[1 -1 0]	(1 1 0)	(4 4 -3)	4.538	1.116	4.07	20.8	86.1
[3 -3 8]	(1 1 0)	(4 -4 -3)	4.538	1.115	4.07	63.2	23.3
[7 -7 -2]	(1 1 0)	(2 4 -7)	4.538	1.114	4.07	60.1	72.0
[1 -1 -2]	(1 1 0)	(4 -2 3)	4.538	1.113	4.08	48.1	28.3
[1 -1 -8]	(1 1 0)	(4 -4 1)	4.538	1.112	4.08	59.1	8.0
[3 -3 -2]	(1 1 0)	(4 2 3)	4.538	1.110	4.09	25.0	56.4
[7 -7 6]	(1 1 0)	(2 -4 -7)	4.538	1.108	4.10	89.1	55.0
[5 -5 -2]	(1 1 0)	(3 5 -5)	4.538	1.107	4.10	39.5	66.9
[1 -1 -1]	(1 1 0)	(2 -4 6)	4.538	1.107	4.10	77.1	46.1
[1 -1 0]	(1 1 0)	(3 3 5)	4.538	1.105	4.11	35.8	86.1
[1 -1 -2]	(1 1 0)	(1 -7 4)	4.538	1.104	4.11	80.1	28.3
[4 -4 -1]	(1 1 0)	(1 3 -8)	4.538	1.103	4.11	76.4	73.7
[5 -5 8]	(1 1 0)	(3 -5 -5)	4.538	1.103	4.12	80.1	36.2
[3 -3 1]	(1 1 0)	(2 4 6)	4.538	1.099	4.13	45.7	77.1
[4 -4 -1]	(1 1 0)	(1 -1 8)	4.538	1.099	4.13	75.5	73.7
[2 -2 1]	(1 1 0)	(1 -3 -8)	4.538	1.097	4.13	82.9	69.2
[1 -1 0]	(1 1 0)	(1 1 8)	4.538	1.097	4.14	68.4	86.1
[7 -7 -4]	(1 1 0)	(2 -2 7)	4.538	1.093	4.15	69.2	59.9
[1 -1 0]	(1 1 0)	(2 2 7)	4.538	1.089	4.17	53.8	86.1
[7 -7 -4]	(1 1 0)	(1 5 -7)	4.538	1.088	4.17	68.6	59.9
[3 -3 -8]	(1 1 0)	(0 8 -3)	4.538	1.079	4.21	65.1	22.2
[3 -3 -2]	(1 1 0)	(3 -1 6)	4.538	1.077	4.21	55.1	56.4
[1 -1 0]	(1 1 0)	(3 3 -7)	4.538	1.076	4.22	52.9	86.1
[3 -3 -1]	(1 1 0)	(3 1 6)	4.538	1.075	4.22	46.6	69.9

Talc-Triclinic (110) 368 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 -5 -6]	(1 1 0)	(1 7 -5)	4.538	1.073	4.23	59.5	41.2
[3 -3 8]	(1 1 0)	(0 8 3)	4.538	1.073	4.23	59.2	23.3
[7 -7 6]	(1 1 0)	(3 -3 -7)	4.538	1.072	4.23	75.4	55.0
[1 -1 -2]	(1 1 0)	(3 -5 4)	4.538	1.067	4.25	72.3	28.3
[5 -5 8]	(1 1 0)	(1 -7 -5)	4.538	1.066	4.26	72.3	36.2
[2 -2 1]	(1 1 0)	(3 5 4)	4.538	1.061	4.28	28.7	69.2
[3 -3 1]	(1 1 0)	(4 2 -6)	4.538	1.057	4.29	43.5	77.1
[1 -1 1]	(1 1 0)	(4 -2 -6)	4.538	1.056	4.30	60.3	50.4
[1 -1 10]	(1 1 0)	(3 -7 -1)	4.538	1.052	4.31	83.7	6.3
[0 0 1]	(1 1 0)	(2 -8 0)	4.538	1.051	4.32	83.9	0.0
[1 -1 -4]	(1 1 0)	(3 7 -1)	4.538	1.051	4.32	24.8	15.4
[1 -1 10]	(1 1 0)	(2 -8 -1)	4.538	1.051	4.32	83.0	6.3
[1 -1 6]	(1 1 0)	(5 -1 -1)	4.538	1.050	4.32	36.8	10.6
[1 -1 -6]	(1 1 0)	(2 8 -1)	4.538	1.050	4.32	37.9	10.5
[1 -1 4]	(1 1 0)	(5 1 -1)	4.538	1.050	4.32	23.9	15.8
[0 0 1]	(1 1 0)	(2 8 0)	4.538	1.049	4.33	36.5	0.0
[1 -1 3]	(1 1 0)	(5 -1 -2)	4.538	1.048	4.33	38.4	20.8
[1 -1 2]	(1 1 0)	(5 1 -2)	4.538	1.048	4.33	26.2	30.1
[2 -2 -3]	(1 1 0)	(4 -2 4)	4.538	1.047	4.33	50.0	35.4
[0 0 1]	(1 1 0)	(3 7 0)	4.538	1.046	4.34	23.3	0.0
[5 -5 -8]	(1 1 0)	(2 -6 5)	4.538	1.046	4.34	85.2	33.7
[2 -2 -1]	(1 1 0)	(4 2 4)	4.538	1.044	4.34	29.8	62.7
[1 -1 0]	(1 1 0)	(1 1 -9)	4.538	1.044	4.35	84.6	86.1
[2 -2 -1]	(1 1 0)	(1 -3 8)	4.538	1.043	4.35	82.9	62.7
[1 -1 -2]	(1 1 0)	(3 7 -2)	4.538	1.043	4.35	27.7	28.3
[1 -1 5]	(1 1 0)	(3 -7 -2)	4.538	1.042	4.35	84.6	12.7
[9 -9 2]	(1 1 0)	(1 -1 -9)	4.538	1.042	4.35	88.9	82.6
[3 -3 -1]	(1 1 0)	(3 5 -6)	4.538	1.041	4.36	44.7	69.9
[4 -4 1]	(1 1 0)	(3 1 -8)	4.538	1.041	4.36	62.9	81.2
[0 0 1]	(1 1 0)	(5 -1 0)	4.538	1.039	4.37	36.2	0.0
[2 -2 1]	(1 1 0)	(3 -1 -8)	4.538	1.039	4.37	70.0	69.2
[0 0 1]	(1 1 0)	(5 1 0)	4.538	1.039	4.37	23.1	0.0
[1 -1 -3]	(1 1 0)	(2 8 -2)	4.538	1.039	4.37	40.0	20.0
[1 -1 -10]	(1 1 0)	(2 -8 1)	4.538	1.038	4.37	84.8	6.4
[5 -5 -8]	(1 1 0)	(1 -7 5)	4.538	1.038	4.37	81.6	33.7
[5 -5 4]	(1 1 0)	(2 6 5)	4.538	1.038	4.37	40.8	57.1
[1 -1 5]	(1 1 0)	(2 -8 -2)	4.538	1.037	4.37	82.2	12.7
[4 -4 1]	(1 1 0)	(1 3 8)	4.538	1.037	4.38	62.6	81.2
[7 -7 -6]	(1 1 0)	(1 -5 7)	4.538	1.037	4.38	89.8	50.2
[3 -3 4]	(1 1 0)	(3 -5 -6)	4.538	1.036	4.38	81.6	41.6
[1 -1 6]	(1 1 0)	(2 8 1)	4.538	1.035	4.39	36.2	10.6
[1 -1 0]	(1 1 0)	(4 4 -5)	4.538	1.034	4.39	33.2	86.1
[1 -1 2]	(1 1 0)	(5 -1 -3)	4.538	1.033	4.39	40.7	30.1
[3 -3 4]	(1 1 0)	(5 1 -3)	4.538	1.033	4.39	29.5	41.6
[1 -1 -10]	(1 1 0)	(3 -7 1)	4.538	1.033	4.39	82.1	6.4
[5 -5 8]	(1 1 0)	(4 -4 -5)	4.538	1.032	4.40	67.2	36.2
[5 -5 6]	(1 1 0)	(1 7 5)	4.538	1.030	4.41	50.5	44.8
[7 -7 4]	(1 1 0)	(1 5 7)	4.538	1.029	4.41	56.4	66.1

Talc-Triclinic (110) 368 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA°
[1 -1 4]	(1 1 0)	(3 7 1)	4.538	1.029	4.41	23.4	15.8
[3 -3 -8]	(1 1 0)	(4 -4 3)	4.538	1.027	4.42	59.7	22.2
[3 -3 -4]	(1 1 0)	(3 7 -3)	4.538	1.022	4.44	31.5	38.4
[3 -3 10]	(1 1 0)	(3 -7 -3)	4.538	1.020	4.45	85.6	18.9
[9 -9 2]	(1 1 0)	(2 0 -9)	4.538	1.020	4.45	78.1	82.6
[1 -1 0]	(1 1 0)	(3 3 6)	4.538	1.019	4.45	40.4	86.1
[4 -4 -1]	(1 1 0)	(2 4 -8)	4.538	1.018	4.46	63.8	73.7
[1 -1 -6]	(1 1 0)	(5 -1 1)	4.538	1.017	4.46	36.5	10.5
[1 -1 -4]	(1 1 0)	(5 1 1)	4.538	1.016	4.47	24.0	15.4
[1 -1 -2]	(1 1 0)	(2 8 -3)	4.538	1.015	4.47	42.8	28.3
[9 -9 -2]	(1 1 0)	(0 -2 9)	4.538	1.015	4.47	88.7	75.0
[1 -1 -5]	(1 1 0)	(2 -8 2)	4.538	1.014	4.47	85.8	12.5
[7 -7 4]	(1 1 0)	(4 0 -7)	4.538	1.014	4.47	55.1	66.1
[4 -4 3]	(1 1 0)	(2 -4 -8)	4.538	1.013	4.48	90.0	58.9
[3 -3 10]	(1 1 0)	(2 -8 -3)	4.538	1.012	4.48	81.6	18.9
[7 -7 -6]	(1 1 0)	(2 -4 7)	4.538	1.012	4.48	77.3	50.2
[4 -4 -1]	(1 1 0)	(2 0 8)	4.538	1.012	4.48	63.1	73.7
[9 -9 2]	(1 1 0)	(0 2 9)	4.538	1.012	4.49	76.0	82.6
[7 -7 -6]	(1 1 0)	(0 6 -7)	4.538	1.010	4.49	76.9	50.2
[1 -1 3]	(1 1 0)	(2 8 2)	4.538	1.009	4.50	36.7	20.8
[1 -1 1]	(1 1 0)	(5 1 -4)	4.538	1.007	4.50	33.5	50.4
[2 -2 3]	(1 1 0)	(5 -1 -4)	4.538	1.007	4.51	43.6	38.1
[1 -1 -1]	(1 1 0)	(1 7 -6)	4.538	1.007	4.51	62.5	46.1
[1 -1 -5]	(1 1 0)	(3 -7 2)	4.538	1.005	4.51	81.4	12.5
[7 -7 2]	(1 1 0)	(2 4 7)	4.538	1.005	4.51	49.2	79.4
[5 -5 -4]	(1 1 0)	(4 0 5)	4.538	1.003	4.52	42.4	51.9
[7 -7 6]	(1 1 0)	(0 6 7)	4.538	1.002	4.53	64.7	55.0
[1 -1 10]	(1 1 0)	(4 -6 -1)	4.538	1.001	4.53	71.0	6.3
[5 -5 -8]	(1 1 0)	(3 -5 5)	4.538	1.001	4.53	72.5	33.7
[0 0 1]	(1 1 0)	(1 -9 0)	4.538	1.001	4.53	71.2	0.0
[1 -1 2]	(1 1 0)	(3 7 2)	4.538	1.000	4.54	24.9	30.1

Talc-Triclinic (130) 329 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[3 -1 0]	(1 3 0)	(0 0 1)	2.636	9.351	0.28	85.2	82.7
[0 0 1]	(1 3 0)	(0 2 0)	2.636	4.586	0.57	30.3	0.0
[0 0 1]	(1 3 0)	(1 -1 0)	2.636	4.548	0.58	89.3	0.0
[0 0 1]	(1 3 0)	(1 1 0)	2.636	4.538	0.58	29.9	0.0
[3 -1 2]	(1 3 0)	(1 1 -1)	2.636	4.318	0.61	38.2	47.6
[3 -1 4]	(1 3 0)	(1 -1 -1)	2.636	4.312	0.61	88.5	27.1
[3 -1 -2]	(1 3 0)	(0 2 -1)	2.636	4.131	0.64	42.2	40.6
[3 -1 2]	(1 3 0)	(0 2 1)	2.636	4.104	0.64	36.0	47.6
[3 -1 -4]	(1 3 0)	(1 -1 1)	2.636	3.900	0.68	87.4	24.4
[3 -1 -2]	(1 3 0)	(1 1 1)	2.636	3.882	0.68	39.1	40.6
[3 -1 1]	(1 3 0)	(1 1 -2)	2.636	3.501	0.75	52.7	68.6
[3 -1 2]	(1 3 0)	(1 -1 -2)	2.636	3.490	0.76	87.0	47.6
[3 -1 -1]	(1 3 0)	(0 2 -2)	2.636	3.288	0.80	55.9	57.1
[3 -1 1]	(1 3 0)	(0 2 2)	2.636	3.261	0.81	47.8	68.6
[3 -1 -2]	(1 3 0)	(1 -1 2)	2.636	3.071	0.86	86.4	40.6
[3 -1 -1]	(1 3 0)	(1 1 2)	2.636	3.057	0.86	50.3	57.1
[9 -3 2]	(1 3 0)	(1 1 -3)	2.636	2.748	0.96	63.2	77.6
[9 -3 4]	(1 3 0)	(1 -1 -3)	2.636	2.739	0.96	86.2	60.5
[0 0 1]	(1 3 0)	(1 -3 0)	2.636	2.643	1.00	60.6	0.0
[3 -1 6]	(1 3 0)	(2 0 -1)	2.636	2.623	1.01	61.0	18.4
[0 0 1]	(1 3 0)	(2 0 0)	2.636	2.615	1.01	59.6	0.0
[3 -1 6]	(1 3 0)	(1 -3 -1)	2.636	2.590	1.02	59.7	18.4
[9 -3 -2]	(1 3 0)	(0 2 -3)	2.636	2.588	1.02	65.3	64.6
[9 -3 2]	(1 3 0)	(0 2 3)	2.636	2.568	1.03	56.5	77.6
[3 -1 -6]	(1 3 0)	(1 -3 1)	2.636	2.498	1.06	63.8	17.2
[3 -1 3]	(1 3 0)	(2 0 -2)	2.636	2.445	1.08	64.5	34.9
[9 -3 -4]	(1 3 0)	(1 -1 3)	2.636	2.431	1.08	85.9	50.6
[3 -1 -6]	(1 3 0)	(2 0 1)	2.636	2.425	1.09	60.6	17.2
[9 -3 -2]	(1 3 0)	(1 1 3)	2.636	2.421	1.09	58.2	64.6
[3 -1 0]	(1 3 0)	(1 3 -2)	2.636	2.383	1.11	30.5	82.7
[3 -1 3]	(1 3 0)	(1 -3 -2)	2.636	2.372	1.11	61.2	34.9
[3 -1 8]	(1 3 0)	(2 -2 -1)	2.636	2.277	1.16	89.5	13.9
[3 -1 4]	(1 3 0)	(2 2 -1)	2.636	2.276	1.16	31.9	27.1
[3 -1 -3]	(1 3 0)	(1 -3 2)	2.636	2.235	1.18	68.0	30.7
[3 -1 -4]	(1 3 0)	(0 4 -1)	2.636	2.231	1.18	34.9	24.4
[3 -1 4]	(1 3 0)	(0 4 1)	2.636	2.223	1.19	31.0	27.1
[3 -1 0]	(1 3 0)	(1 3 2)	2.636	2.219	1.19	28.2	82.7
[6 -2 1]	(1 3 0)	(1 1 -4)	2.636	2.203	1.20	70.0	82.5
[3 -1 1]	(1 3 0)	(1 -1 -4)	2.636	2.196	1.20	85.9	68.6
[3 -1 2]	(1 3 0)	(2 0 -3)	2.636	2.171	1.21	68.7	47.6
[3 -1 -3]	(1 3 0)	(2 0 2)	2.636	2.148	1.23	63.0	30.7
[3 -1 -8]	(1 3 0)	(2 -2 1)	2.636	2.148	1.23	88.2	13.2
[3 -1 -4]	(1 3 0)	(2 2 1)	2.636	2.140	1.23	33.2	24.4
[3 -1 0]	(1 3 0)	(1 3 -3)	2.636	2.101	1.25	42.2	82.7
[6 -2 -1]	(1 3 0)	(0 2 -4)	2.636	2.090	1.26	71.4	68.8
[3 -1 2]	(1 3 0)	(1 -3 -3)	2.636	2.088	1.26	63.7	47.6
[6 -2 1]	(1 3 0)	(0 2 4)	2.636	2.076	1.27	62.3	82.5
[3 -1 -1]	(1 3 0)	(1 -1 4)	2.636	1.979	1.33	85.7	57.1

Talc-Triclinic (130) 329 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[6 -2 -1]	(1 3 0)	(1 1 4)	2.636	1.973	1.34	63.4	68.8
[9 -3 4]	(1 3 0)	(2 2 -3)	2.636	1.965	1.34	45.7	60.5
[9 -3 8]	(1 3 0)	(2 -2 -3)	2.636	1.960	1.35	87.6	38.4
[3 -1 -2]	(1 3 0)	(1 -3 3)	2.636	1.950	1.35	71.9	40.6
[3 -1 0]	(1 3 0)	(1 3 3)	2.636	1.935	1.36	38.2	82.7
[6 -2 3]	(1 3 0)	(2 0 -4)	2.636	1.890	1.39	72.6	56.9
[3 -1 -2]	(1 3 0)	(2 0 3)	2.636	1.869	1.41	65.7	40.6
[9 -3 -4]	(1 3 0)	(0 4 -3)	2.636	1.855	1.42	49.5	50.6
[9 -3 4]	(1 3 0)	(0 4 3)	2.636	1.840	1.43	42.1	60.5
[3 -1 0]	(1 3 0)	(1 3 -4)	2.636	1.826	1.44	51.1	82.7
[15 -5 2]	(1 3 0)	(1 1 -5)	2.636	1.818	1.45	74.6	85.4
[6 -2 3]	(1 3 0)	(1 -3 -4)	2.636	1.814	1.45	66.3	56.9
[15 -5 4]	(1 3 0)	(1 -1 -5)	2.636	1.813	1.45	85.7	73.9
[15 -5 -2]	(1 3 0)	(0 2 -5)	2.636	1.737	1.52	75.5	71.5
[9 -3 -8]	(1 3 0)	(2 -2 3)	2.636	1.735	1.52	86.8	33.5
[0 0 1]	(1 3 0)	(1 -5 0)	2.636	1.733	1.52	49.6	0.0
[3 -1 10]	(1 3 0)	(3 -1 -1)	2.636	1.731	1.52	71.1	11.1
[3 -1 8]	(1 3 0)	(3 1 -1)	2.636	1.730	1.52	49.4	13.9
[15 -5 2]	(1 3 0)	(0 2 5)	2.636	1.727	1.53	66.3	85.4
[3 -1 10]	(1 3 0)	(2 -4 -1)	2.636	1.727	1.53	70.7	11.1
[9 -3 -4]	(1 3 0)	(2 2 3)	2.636	1.727	1.53	45.1	50.6
[0 0 1]	(1 3 0)	(2 -4 0)	2.636	1.726	1.53	71.6	0.0
[3 -1 8]	(1 3 0)	(1 -5 -1)	2.636	1.717	1.54	48.9	13.9
[0 0 1]	(1 3 0)	(3 -1 0)	2.636	1.713	1.54	70.3	0.0
[0 0 1]	(1 3 0)	(3 1 0)	2.636	1.712	1.54	48.8	0.0
[6 -2 -3]	(1 3 0)	(1 -3 4)	2.636	1.694	1.56	75.3	47.8
[3 -1 4]	(1 3 0)	(3 1 -2)	2.636	1.691	1.56	51.6	27.1
[3 -1 5]	(1 3 0)	(3 -1 -2)	2.636	1.691	1.56	72.4	22.0
[3 -1 -8]	(1 3 0)	(1 -5 1)	2.636	1.691	1.56	51.9	13.2
[3 -1 0]	(1 3 0)	(1 3 4)	2.636	1.681	1.57	45.8	82.7
[3 -1 1]	(1 3 0)	(2 4 -2)	2.636	1.674	1.57	22.3	68.6
[3 -1 5]	(1 3 0)	(2 -4 -2)	2.636	1.671	1.58	70.4	22.0
[3 -1 -10]	(1 3 0)	(2 -4 1)	2.636	1.670	1.58	73.1	10.7
[15 -5 -4]	(1 3 0)	(1 -1 5)	2.636	1.657	1.59	85.5	61.5
[3 -1 -1]	(1 3 0)	(1 5 -2)	2.636	1.654	1.59	24.6	57.1
[15 -5 -2]	(1 3 0)	(1 1 5)	2.636	1.652	1.60	67.1	71.5
[3 -1 4]	(1 3 0)	(1 -5 -2)	2.636	1.647	1.60	49.8	27.1
[3 -1 -10]	(1 3 0)	(3 -1 1)	2.636	1.643	1.60	70.3	10.7
[15 -5 6]	(1 3 0)	(2 0 -5)	2.636	1.643	1.60	75.8	63.6
[3 -1 -8]	(1 3 0)	(3 1 1)	2.636	1.641	1.61	49.8	13.2
[6 -2 -3]	(1 3 0)	(2 0 4)	2.636	1.625	1.62	68.1	47.8
[9 -3 8]	(1 3 0)	(3 1 -3)	2.636	1.605	1.64	54.9	38.4
[9 -3 10]	(1 3 0)	(3 -1 -3)	2.636	1.604	1.64	74.2	31.9
[3 -1 -4]	(1 3 0)	(1 -5 2)	2.636	1.603	1.64	55.2	24.4
[3 -1 1]	(1 3 0)	(1 5 2)	2.636	1.593	1.66	21.2	68.6
[3 -1 0]	(1 3 0)	(1 3 -5)	2.636	1.589	1.66	57.9	82.7
[9 -3 2]	(1 3 0)	(2 4 -3)	2.636	1.579	1.67	30.8	77.6
[15 -5 6]	(1 3 0)	(1 -3 -5)	2.636	1.579	1.67	68.7	63.6

Talc-Triclinic (130) 329 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[9 -3 10]	(1 3 0)	(2 -4 -3)	2.636	1.574	1.68	70.7	31.9
[3 -1 -5]	(1 3 0)	(2 -4 2)	2.636	1.573	1.68	75.0	20.2
[3 -1 -1]	(1 3 0)	(2 4 2)	2.636	1.563	1.69	23.2	57.1
[9 -3 -2]	(1 3 0)	(1 5 -3)	2.636	1.551	1.70	33.0	64.6
[15 -5 4]	(1 3 0)	(2 2 -5)	2.636	1.550	1.70	58.5	73.9
[15 -5 8]	(1 3 0)	(2 -2 -5)	2.636	1.544	1.71	86.5	54.8
[9 -3 8]	(1 3 0)	(1 -5 -3)	2.636	1.542	1.71	51.8	38.4
[9 -3 1]	(1 3 0)	(1 1 -6)	2.636	1.539	1.71	77.8	87.4
[3 -1 -5]	(1 3 0)	(3 -1 2)	2.636	1.538	1.71	70.8	20.2
[9 -3 2]	(1 3 0)	(1 -1 -6)	2.636	1.536	1.72	85.5	77.6
[3 -1 -4]	(1 3 0)	(3 1 2)	2.636	1.535	1.72	51.8	24.4
[0 0 1]	(1 3 0)	(0 6 0)	2.636	1.529	1.72	30.3	0.0
[3 -1 12]	(1 3 0)	(3 -3 -1)	2.636	1.528	1.73	89.9	9.2
[3 -1 6]	(1 3 0)	(3 3 -1)	2.636	1.526	1.73	30.6	18.4
[3 -1 -6]	(1 3 0)	(0 6 -1)	2.636	1.511	1.75	32.9	17.2
[3 -1 6]	(1 3 0)	(0 6 1)	2.636	1.507	1.75	30.2	18.4
[3 -1 3]	(1 3 0)	(3 3 -2)	2.636	1.500	1.76	33.6	34.9
[3 -1 6]	(1 3 0)	(3 -3 -2)	2.636	1.499	1.76	89.2	18.4
[3 -1 2]	(1 3 0)	(3 1 -4)	2.636	1.492	1.77	58.6	47.6
[6 -2 5]	(1 3 0)	(3 -1 -4)	2.636	1.490	1.77	76.1	40.4
[9 -3 -8]	(1 3 0)	(1 -5 3)	2.636	1.488	1.77	58.9	33.5
[9 -3 -1]	(1 3 0)	(0 2 -6)	2.636	1.479	1.78	78.5	73.3
[15 -5 -6]	(1 3 0)	(1 -3 5)	2.636	1.479	1.78	78.0	53.1
[9 -3 2]	(1 3 0)	(1 5 3)	2.636	1.477	1.79	28.6	77.6
[9 -3 1]	(1 3 0)	(0 2 6)	2.636	1.472	1.79	69.2	87.4
[3 -1 0]	(1 3 0)	(1 3 5)	2.636	1.469	1.79	51.5	82.7
[3 -1 -12]	(1 3 0)	(3 -3 1)	2.636	1.467	1.80	88.6	9.0
[3 -1 -6]	(1 3 0)	(3 3 1)	2.636	1.462	1.80	31.7	17.2
[6 -2 1]	(1 3 0)	(2 4 -4)	2.636	1.462	1.80	38.6	82.5
[3 -1 -3]	(1 3 0)	(0 6 -2)	2.636	1.457	1.81	37.2	30.7
[6 -2 5]	(1 3 0)	(2 -4 -4)	2.636	1.455	1.81	71.5	40.4
[15 -5 -4]	(1 3 0)	(0 4 -5)	2.636	1.455	1.81	61.1	61.5
[9 -3 -10]	(1 3 0)	(2 -4 3)	2.636	1.454	1.81	76.9	28.3
[3 -1 3]	(1 3 0)	(0 6 2)	2.636	1.450	1.82	32.4	34.9
[9 -3 -2]	(1 3 0)	(2 4 3)	2.636	1.444	1.83	30.5	64.6
[15 -5 4]	(1 3 0)	(0 4 5)	2.636	1.444	1.83	52.6	73.9
[3 -1 1]	(1 3 0)	(2 0 -6)	2.636	1.438	1.83	78.4	68.6
[6 -2 -1]	(1 3 0)	(1 5 -4)	2.636	1.430	1.84	40.4	68.8
[15 -5 -6]	(1 3 0)	(2 0 5)	2.636	1.423	1.85	70.2	53.1
[3 -1 2]	(1 3 0)	(1 -5 -4)	2.636	1.421	1.86	54.4	47.6
[9 -3 -2]	(1 3 0)	(1 -1 6)	2.636	1.420	1.86	85.4	64.6
[9 -3 -1]	(1 3 0)	(1 1 6)	2.636	1.416	1.86	69.7	73.3
[9 -3 -10]	(1 3 0)	(3 -1 3)	2.636	1.416	1.86	71.6	28.3
[9 -3 -8]	(1 3 0)	(3 1 3)	2.636	1.414	1.86	54.4	33.5
[3 -1 0]	(1 3 0)	(1 3 -6)	2.636	1.393	1.89	63.0	82.7
[3 -1 -6]	(1 3 0)	(3 -3 2)	2.636	1.391	1.89	87.9	17.2
[3 -1 -3]	(1 3 0)	(3 3 2)	2.636	1.385	1.90	35.1	30.7
[3 -1 1]	(1 3 0)	(1 -3 -6)	2.636	1.385	1.90	70.7	68.6

Talc-Triclinic (130) 329 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[15 -5 8]	(1 3 0)	(3 1 -5)	2.636	1.369	1.93	62.2	54.8
[3 -1 2]	(1 3 0)	(3 -1 -5)	2.636	1.367	1.93	78.0	47.6
[3 -1 -2]	(1 3 0)	(1 -5 4)	2.636	1.365	1.93	62.5	40.6
[15 -5 -8]	(1 3 0)	(2 -2 5)	2.636	1.362	1.94	86.1	46.2
[6 -2 3]	(1 3 0)	(3 3 -4)	2.636	1.356	1.94	43.2	56.9
[15 -5 -4]	(1 3 0)	(2 2 5)	2.636	1.356	1.94	54.7	61.5
[6 -2 1]	(1 3 0)	(1 5 4)	2.636	1.354	1.95	35.3	82.5
[3 -1 3]	(1 3 0)	(3 -3 -4)	2.636	1.353	1.95	87.9	34.9
[15 -5 2]	(1 3 0)	(2 4 -5)	2.636	1.339	1.97	45.2	85.4
[3 -1 2]	(1 3 0)	(2 -4 -5)	2.636	1.332	1.98	72.4	47.6
[6 -2 -5]	(1 3 0)	(2 -4 4)	2.636	1.331	1.98	78.7	35.0
[3 -1 12]	(1 3 0)	(4 0 -1)	2.636	1.322	1.99	60.0	9.2
[6 -2 -1]	(1 3 0)	(2 4 4)	2.636	1.321	2.00	36.8	68.8
[3 -1 12]	(1 3 0)	(2 -6 -1)	2.636	1.321	2.00	59.9	9.2
[15 -5 -2]	(1 3 0)	(1 5 -5)	2.636	1.308	2.02	46.8	71.5
[3 -1 -1]	(1 3 0)	(1 -3 6)	2.636	1.304	2.02	80.1	57.1
[15 -5 8]	(1 3 0)	(1 -5 -5)	2.636	1.299	2.03	57.1	54.8
[3 -1 -12]	(1 3 0)	(2 -6 1)	2.636	1.296	2.03	62.0	9.0
[3 -1 0]	(1 3 0)	(1 3 6)	2.636	1.295	2.04	55.9	82.7
[6 -2 -5]	(1 3 0)	(3 -1 4)	2.636	1.294	2.04	72.5	35.0
[3 -1 -2]	(1 3 0)	(3 1 4)	2.636	1.292	2.04	57.1	40.6
[6 -2 -3]	(1 3 0)	(0 6 -4)	2.636	1.284	2.05	47.2	47.8
[3 -1 4]	(1 3 0)	(4 0 -3)	2.636	1.276	2.07	62.6	27.1
[6 -2 3]	(1 3 0)	(0 6 4)	2.636	1.275	2.07	40.1	56.9
[0 0 1]	(1 3 0)	(1 -7 0)	2.636	1.272	2.07	44.4	0.0
[3 -1 14]	(1 3 0)	(3 -5 -1)	2.636	1.272	2.07	76.1	7.9
[3 -1 14]	(1 3 0)	(4 -2 -1)	2.636	1.271	2.07	76.0	7.9
[3 -1 10]	(1 3 0)	(4 2 -1)	2.636	1.270	2.08	43.9	11.1
[3 -1 -12]	(1 3 0)	(4 0 1)	2.636	1.269	2.08	59.8	9.0
[0 0 1]	(1 3 0)	(3 -5 0)	2.636	1.265	2.08	76.8	0.0
[3 -1 10]	(1 3 0)	(1 -7 -1)	2.636	1.265	2.08	43.7	11.1
[15 -5 6]	(1 3 0)	(3 3 -5)	2.636	1.262	2.09	48.1	63.6
[3 -1 7]	(1 3 0)	(4 -2 -2)	2.636	1.261	2.09	76.8	15.8
[3 -1 5]	(1 3 0)	(4 2 -2)	2.636	1.261	2.09	45.3	22.0
[15 -5 12]	(1 3 0)	(3 -3 -5)	2.636	1.259	2.09	87.4	41.7
[0 0 1]	(1 3 0)	(4 -2 0)	2.636	1.258	2.10	75.5	0.0
[3 -1 -1]	(1 3 0)	(2 0 6)	2.636	1.258	2.10	71.9	57.1
[0 0 1]	(1 3 0)	(4 2 0)	2.636	1.256	2.10	43.7	0.0
[3 -1 -10]	(1 3 0)	(1 -7 1)	2.636	1.256	2.10	46.0	10.7
[3 -1 2]	(1 3 0)	(3 5 -2)	2.636	1.255	2.10	21.0	47.6
[3 -1 7]	(1 3 0)	(3 -5 -2)	2.636	1.255	2.10	75.6	15.8
[3 -1 0]	(1 3 0)	(2 6 -3)	2.636	1.252	2.11	23.6	82.7
[9 -3 4]	(1 3 0)	(3 1 -6)	2.636	1.249	2.11	65.5	60.5
[3 -1 4]	(1 3 0)	(2 -6 -3)	2.636	1.248	2.11	60.2	27.1
[9 -3 5]	(1 3 0)	(3 -1 -6)	2.636	1.248	2.11	79.7	53.5
[15 -5 -8]	(1 3 0)	(1 -5 5)	2.636	1.245	2.12	65.8	46.2
[3 -1 -2]	(1 3 0)	(1 7 -2)	2.636	1.240	2.13	23.8	40.6
[3 -1 -14]	(1 3 0)	(3 -5 1)	2.636	1.237	2.13	77.8	7.7

Talc-Triclinic (130) 329 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[3 -1 5]	(1 3 0)	(1 -7 -2)	2.636	1.236	2.13	44.2	22.0
[15 -5 2]	(1 3 0)	(1 5 5)	2.636	1.235	2.13	40.9	85.4
[3 -1 0]	(1 3 0)	(1 3 -7)	2.636	1.234	2.14	67.0	82.7
[9 -3 10]	(1 3 0)	(4 2 -3)	2.636	1.230	2.14	47.5	31.9
[9 -3 14]	(1 3 0)	(4 -2 -3)	2.636	1.229	2.14	77.8	23.5
[3 -1 -14]	(1 3 0)	(4 -2 1)	2.636	1.224	2.15	75.2	7.7
[3 -1 -10]	(1 3 0)	(4 2 1)	2.636	1.222	2.16	44.4	10.7
[9 -3 1]	(1 3 0)	(2 4 -6)	2.636	1.221	2.16	50.8	87.4
[9 -3 4]	(1 3 0)	(3 5 -3)	2.636	1.219	2.16	26.4	60.5
[3 -1 -5]	(1 3 0)	(1 -7 2)	2.636	1.219	2.16	48.4	20.2
[9 -3 14]	(1 3 0)	(3 -5 -3)	2.636	1.217	2.17	75.4	23.5
[9 -3 5]	(1 3 0)	(2 -4 -6)	2.636	1.215	2.17	73.3	53.5
[3 -1 -2]	(1 3 0)	(2 -4 5)	2.636	1.213	2.17	80.3	40.6
[3 -1 2]	(1 3 0)	(1 7 2)	2.636	1.212	2.17	20.3	47.6
[15 -5 -2]	(1 3 0)	(2 4 5)	2.636	1.205	2.19	42.2	71.5
[3 -1 -3]	(1 3 0)	(3 -3 4)	2.636	1.204	2.19	87.0	30.7
[6 -2 -3]	(1 3 0)	(3 3 4)	2.636	1.198	2.20	43.2	47.8
[9 -3 -4]	(1 3 0)	(1 7 -3)	2.636	1.195	2.21	29.4	50.6
[9 -3 -1]	(1 3 0)	(1 5 -6)	2.636	1.193	2.21	52.2	73.3
[9 -3 10]	(1 3 0)	(1 -7 -3)	2.636	1.190	2.22	45.5	31.9
[15 -5 -6]	(1 3 0)	(0 6 -5)	2.636	1.188	2.22	51.8	53.1
[3 -1 -4]	(1 3 0)	(2 -6 3)	2.636	1.187	2.22	65.9	24.4
[3 -1 -2]	(1 3 0)	(3 5 2)	2.636	1.185	2.23	22.6	40.6
[9 -3 4]	(1 3 0)	(1 -5 -6)	2.636	1.184	2.23	59.6	60.5
[6 -2 5]	(1 3 0)	(4 2 -4)	2.636	1.182	2.23	50.3	40.4
[6 -2 7]	(1 3 0)	(4 -2 -4)	2.636	1.181	2.23	78.9	30.5
[3 -1 -2]	(1 3 0)	(3 -1 5)	2.636	1.180	2.23	73.5	40.6
[3 -1 0]	(1 3 0)	(2 6 3)	2.636	1.179	2.24	22.2	82.7
[15 -5 6]	(1 3 0)	(0 6 5)	2.636	1.179	2.24	44.1	63.6
[15 -5 -8]	(1 3 0)	(3 1 5)	2.636	1.178	2.24	59.6	46.2
[3 -1 -7]	(1 3 0)	(4 -2 2)	2.636	1.174	2.25	75.3	14.9
[3 -1 -5]	(1 3 0)	(4 2 2)	2.636	1.171	2.25	46.0	20.2
[12 -4 1]	(1 3 0)	(1 1 -8)	2.636	1.171	2.25	81.9	89.9
[6 -2 1]	(1 3 0)	(1 -1 -8)	2.636	1.169	2.26	85.4	82.5
[3 -1 1]	(1 3 0)	(3 5 -4)	2.636	1.168	2.26	32.0	68.6
[3 -1 1]	(1 3 0)	(3 3 -6)	2.636	1.167	2.26	52.7	68.6
[9 -3 -10]	(1 3 0)	(1 -7 3)	2.636	1.166	2.26	51.4	28.3
[6 -2 7]	(1 3 0)	(3 -5 -4)	2.636	1.165	2.26	75.4	30.5
[3 -1 2]	(1 3 0)	(3 -3 -6)	2.636	1.163	2.27	87.0	47.6
[9 -3 4]	(1 3 0)	(1 7 3)	2.636	1.158	2.28	25.0	60.5
[15 -5 12]	(1 3 0)	(4 0 -5)	2.636	1.157	2.28	66.6	41.7
[3 -1 0]	(1 3 0)	(1 3 7)	2.636	1.154	2.29	59.4	82.7
[0 0 1]	(1 3 0)	(0 8 0)	2.636	1.147	2.30	30.3	0.0
[3 -1 16]	(1 3 0)	(4 -4 -1)	2.636	1.146	2.30	89.9	6.9
[3 -1 -4]	(1 3 0)	(4 0 3)	2.636	1.146	2.30	61.7	24.4
[3 -1 8]	(1 3 0)	(4 4 -1)	2.636	1.145	2.30	30.2	13.9
[3 -1 -8]	(1 3 0)	(0 8 -1)	2.636	1.139	2.31	32.0	13.2
[3 -1 -1]	(1 3 0)	(1 7 -4)	2.636	1.138	2.32	35.0	57.1

Talc-Triclinic (130) 329 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[3 -1 8]	(1 3 0)	(0 8 1)	2.636	1.137	2.32	29.9	13.9
[9 -3 -4]	(1 3 0)	(1 -5 6)	2.636	1.135	2.32	68.7	50.6
[12 -4 -1]	(1 3 0)	(0 2 -8)	2.636	1.135	2.32	82.4	75.6
[12 -4 3]	(1 3 0)	(2 0 -8)	2.636	1.133	2.33	82.0	75.3
[9 -3 -14]	(1 3 0)	(3 -5 3)	2.636	1.132	2.33	80.0	21.4
[6 -2 5]	(1 3 0)	(1 -7 -4)	2.636	1.131	2.33	47.5	40.4
[12 -4 1]	(1 3 0)	(0 2 8)	2.636	1.130	2.33	72.9	89.9
[9 -3 1]	(1 3 0)	(1 5 6)	2.636	1.126	2.34	45.6	87.4
[9 -3 -4]	(1 3 0)	(3 5 3)	2.636	1.126	2.34	27.5	50.6
[3 -1 0]	(1 3 0)	(2 6 -5)	2.636	1.122	2.35	36.7	82.7
[3 -1 2]	(1 3 0)	(4 2 -5)	2.636	1.122	2.35	53.4	47.6
[15 -5 14]	(1 3 0)	(4 -2 -5)	2.636	1.121	2.35	80.0	36.9
[9 -3 16]	(1 3 0)	(4 -4 -3)	2.636	1.115	2.36	89.0	20.7
[9 -3 -14]	(1 3 0)	(4 -2 3)	2.636	1.113	2.37	75.4	21.4
[3 -1 -16]	(1 3 0)	(4 -4 1)	2.636	1.112	2.37	88.7	6.8
[15 -5 -12]	(1 3 0)	(3 -3 5)	2.636	1.111	2.37	86.6	36.0
[9 -3 -10]	(1 3 0)	(4 2 3)	2.636	1.110	2.38	48.0	28.3
[3 -1 -8]	(1 3 0)	(4 4 1)	2.636	1.108	2.38	31.0	13.2
[15 -5 4]	(1 3 0)	(3 5 -5)	2.636	1.107	2.38	37.5	73.9
[9 -3 -5]	(1 3 0)	(2 -4 6)	2.636	1.107	2.38	81.8	45.2
[15 -5 -6]	(1 3 0)	(3 3 5)	2.636	1.105	2.39	47.0	53.1
[6 -2 -5]	(1 3 0)	(1 -7 4)	2.636	1.104	2.39	54.5	35.0
[3 -1 0]	(1 3 0)	(1 3 -8)	2.636	1.103	2.39	70.1	82.7
[15 -5 14]	(1 3 0)	(3 -5 -5)	2.636	1.103	2.39	75.7	36.9
[9 -3 -1]	(1 3 0)	(2 4 6)	2.636	1.099	2.40	46.7	73.3
[6 -2 -1]	(1 3 0)	(1 -1 8)	2.636	1.099	2.40	85.3	68.8
[12 -4 3]	(1 3 0)	(1 -3 -8)	2.636	1.097	2.40	73.6	75.3
[12 -4 -1]	(1 3 0)	(1 1 8)	2.636	1.097	2.40	73.3	75.6
[3 -1 1]	(1 3 0)	(1 7 4)	2.636	1.096	2.41	29.8	68.6
[9 -3 -8]	(1 3 0)	(0 8 -3)	2.636	1.079	2.44	38.4	33.5
[9 -3 -5]	(1 3 0)	(3 -1 6)	2.636	1.077	2.45	74.4	45.2
[9 -3 -4]	(1 3 0)	(3 1 6)	2.636	1.075	2.45	61.9	50.6
[15 -5 -4]	(1 3 0)	(1 7 -5)	2.636	1.073	2.46	40.2	61.5
[9 -3 8]	(1 3 0)	(0 8 3)	2.636	1.073	2.46	33.2	38.4
[6 -2 -7]	(1 3 0)	(3 -5 4)	2.636	1.067	2.47	81.1	27.2
[3 -1 2]	(1 3 0)	(1 -7 -5)	2.636	1.066	2.47	49.7	47.6
[3 -1 -1]	(1 3 0)	(3 5 4)	2.636	1.061	2.49	32.3	57.1
[9 -3 5]	(1 3 0)	(4 2 -6)	2.636	1.057	2.49	56.5	53.5
[9 -3 7]	(1 3 0)	(4 -2 -6)	2.636	1.056	2.50	81.2	42.6
[3 -1 16]	(1 3 0)	(3 -7 -1)	2.636	1.052	2.51	66.6	6.9
[0 0 1]	(1 3 0)	(2 -8 0)	2.636	1.051	2.51	54.0	0.0
[3 -1 14]	(1 3 0)	(2 -8 -1)	2.636	1.051	2.51	53.3	7.9
[3 -1 16]	(1 3 0)	(5 -1 -1)	2.636	1.050	2.51	66.4	6.9
[3 -1 14]	(1 3 0)	(5 1 -1)	2.636	1.050	2.51	53.3	7.9
[0 0 1]	(1 3 0)	(3 -7 0)	2.636	1.049	2.51	67.3	0.0
[3 -1 8]	(1 3 0)	(5 -1 -2)	2.636	1.048	2.51	67.0	13.9
[3 -1 7]	(1 3 0)	(5 1 -2)	2.636	1.048	2.52	54.0	15.8
[6 -2 -7]	(1 3 0)	(4 -2 4)	2.636	1.047	2.52	75.8	27.2

Talc-Triclinic (130) 329 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$
[15 -5 -12]	(1 3 0)	(2 -6 5)	2.636	1.046	2.52	70.0	36.0
[6 -2 -5]	(1 3 0)	(4 2 4)	2.636	1.044	2.52	50.3	35.0
[12 -4 -3]	(1 3 0)	(1 -3 8)	2.636	1.043	2.53	83.1	62.6
[3 -1 8]	(1 3 0)	(3 -7 -2)	2.636	1.042	2.53	66.3	13.9
[9 -3 2]	(1 3 0)	(3 5 -6)	2.636	1.041	2.53	42.5	77.6
[3 -1 1]	(1 3 0)	(3 1 -8)	2.636	1.041	2.53	71.0	68.6
[0 0 1]	(1 3 0)	(5 -1 0)	2.636	1.039	2.54	66.1	0.0
[12 -4 5]	(1 3 0)	(3 -1 -8)	2.636	1.039	2.54	82.5	62.4
[0 0 1]	(1 3 0)	(5 1 0)	2.636	1.039	2.54	53.1	0.0
[3 -1 -14]	(1 3 0)	(2 -8 1)	2.636	1.038	2.54	55.1	7.7
[3 -1 -2]	(1 3 0)	(1 -7 5)	2.636	1.038	2.54	57.5	40.6
[3 -1 0]	(1 3 0)	(2 6 5)	2.636	1.038	2.54	33.6	82.7
[3 -1 7]	(1 3 0)	(2 -8 -2)	2.636	1.037	2.54	53.2	15.8
[3 -1 0]	(1 3 0)	(1 3 8)	2.636	1.037	2.54	62.1	82.7
[9 -3 7]	(1 3 0)	(3 -5 -6)	2.636	1.036	2.54	76.0	42.6
[15 -5 8]	(1 3 0)	(4 4 -5)	2.636	1.034	2.55	41.9	54.8
[9 -3 16]	(1 3 0)	(5 -1 -3)	2.636	1.033	2.55	67.9	20.7
[9 -3 14]	(1 3 0)	(5 1 -3)	2.636	1.033	2.55	55.2	23.5
[15 -5 16]	(1 3 0)	(4 -4 -5)	2.636	1.032	2.56	88.0	33.0
[15 -5 4]	(1 3 0)	(1 7 5)	2.636	1.030	2.56	34.5	73.9
[9 -3 -16]	(1 3 0)	(4 -4 3)	2.636	1.027	2.57	87.8	19.1
[9 -3 -8]	(1 3 0)	(4 4 3)	2.636	1.023	2.58	36.0	33.5
[9 -3 16]	(1 3 0)	(3 -7 -3)	2.636	1.020	2.58	66.2	20.7
[9 -3 2]	(1 3 0)	(2 0 -9)	2.636	1.020	2.58	83.3	77.6
[12 -4 1]	(1 3 0)	(2 4 -8)	2.636	1.018	2.59	59.4	89.9
[3 -1 -16]	(1 3 0)	(5 -1 1)	2.636	1.017	2.59	66.1	6.8
[3 -1 -14]	(1 3 0)	(5 1 1)	2.636	1.016	2.60	53.4	7.7
[9 -3 -2]	(1 3 0)	(2 8 -3)	2.636	1.015	2.60	20.9	64.6
[3 -1 -7]	(1 3 0)	(2 -8 2)	2.636	1.014	2.60	56.7	14.9
[12 -4 5]	(1 3 0)	(2 -4 -8)	2.636	1.013	2.60	75.1	62.4
[9 -3 14]	(1 3 0)	(2 -8 -3)	2.636	1.012	2.60	53.6	23.5
[12 -4 -3]	(1 3 0)	(2 0 8)	2.636	1.012	2.61	74.5	62.6
[6 -2 7]	(1 3 0)	(5 1 -4)	2.636	1.007	2.62	56.8	30.5
[3 -1 4]	(1 3 0)	(5 -1 -4)	2.636	1.007	2.62	69.1	27.1
[9 -3 -2]	(1 3 0)	(1 7 -6)	2.636	1.007	2.62	45.0	64.6
[3 -1 -8]	(1 3 0)	(3 -7 2)	2.636	1.005	2.62	69.4	13.2
[15 -5 -12]	(1 3 0)	(4 0 5)	2.636	1.003	2.63	64.3	36.0
[3 -1 18]	(1 3 0)	(4 -6 -1)	2.636	1.001	2.63	79.2	6.1
[15 -5 -14]	(1 3 0)	(3 -5 5)	2.636	1.001	2.63	82.2	32.3
[0 0 1]	(1 3 0)	(1 -9 0)	2.636	1.001	2.63	41.3	0.0

Talc-Triclinic (200) 362 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[0 1 0]	(2 0 0)	(0 0 1)	2.615	9.351	0.28	81.3	89.5
[0 0 1]	(2 0 0)	(0 2 0)	2.615	4.586	0.57	89.8	0.0
[0 0 1]	(2 0 0)	(1 -1 0)	2.615	4.548	0.57	29.7	0.0
[0 0 1]	(2 0 0)	(1 1 0)	2.615	4.538	0.58	29.6	0.0
[0 1 1]	(2 0 0)	(1 1 -1)	2.615	4.318	0.61	40.8	44.4
[0 1 -1]	(2 0 0)	(1 -1 -1)	2.615	4.312	0.61	41.1	43.8
[0 -1 -2]	(2 0 0)	(0 -2 1)	2.615	4.131	0.63	86.3	26.0
[0 -1 2]	(2 0 0)	(0 2 1)	2.615	4.104	0.64	86.1	25.7
[0 -1 -1]	(2 0 0)	(1 -1 1)	2.615	3.900	0.67	36.1	44.4
[0 -1 1]	(2 0 0)	(1 1 1)	2.615	3.882	0.67	36.3	43.8
[0 2 1]	(2 0 0)	(1 1 -2)	2.615	3.501	0.75	56.1	63.1
[0 2 -1]	(2 0 0)	(1 -1 -2)	2.615	3.490	0.75	56.4	62.3
[0 -1 -1]	(2 0 0)	(0 -2 2)	2.615	3.288	0.80	84.0	44.4
[0 -1 1]	(2 0 0)	(0 2 2)	2.615	3.261	0.80	83.8	43.8
[0 -2 -1]	(2 0 0)	(1 -1 2)	2.615	3.071	0.85	46.7	63.1
[0 -2 1]	(2 0 0)	(1 1 2)	2.615	3.057	0.86	46.8	62.3
[0 3 1]	(2 0 0)	(1 1 -3)	2.615	2.748	0.95	66.8	71.5
[0 3 -1]	(2 0 0)	(1 -1 -3)	2.615	2.739	0.95	67.0	70.6
[0 0 1]	(2 0 0)	(1 -3 0)	2.615	2.643	0.99	59.8	0.0
[0 0 1]	(2 0 0)	(1 3 0)	2.615	2.636	0.99	59.6	0.0
[0 1 3]	(2 0 0)	(1 3 -1)	2.615	2.594	1.01	62.8	18.0
[0 1 -3]	(2 0 0)	(1 -3 -1)	2.615	2.590	1.01	63.2	17.8
[0 -3 -2]	(2 0 0)	(0 -2 3)	2.615	2.588	1.01	82.9	55.8
[0 -3 2]	(2 0 0)	(0 2 3)	2.615	2.568	1.02	82.8	55.1
[0 -1 -3]	(2 0 0)	(1 -3 1)	2.615	2.498	1.05	58.9	18.0
[0 -1 3]	(2 0 0)	(1 3 1)	2.615	2.484	1.05	58.8	17.8
[0 1 0]	(2 0 0)	(2 0 -2)	2.615	2.445	1.07	31.1	89.5
[0 -3 -1]	(2 0 0)	(1 -1 3)	2.615	2.431	1.08	54.4	71.5
[0 -3 1]	(2 0 0)	(1 1 3)	2.615	2.421	1.08	54.5	70.6
[0 2 3]	(2 0 0)	(1 3 -2)	2.615	2.383	1.10	67.6	33.1
[0 2 -3]	(2 0 0)	(1 -3 -2)	2.615	2.372	1.10	68.0	32.7
[0 1 -2]	(2 0 0)	(2 -2 -1)	2.615	2.277	1.15	33.6	25.7
[0 1 2]	(2 0 0)	(2 2 -1)	2.615	2.276	1.15	33.4	26.0
[0 -2 -3]	(2 0 0)	(1 -3 2)	2.615	2.235	1.17	60.2	33.1
[0 -1 -4]	(2 0 0)	(0 -4 1)	2.615	2.231	1.17	88.1	13.7
[0 -1 4]	(2 0 0)	(0 4 1)	2.615	2.223	1.18	87.8	13.5
[0 -2 3]	(2 0 0)	(1 3 2)	2.615	2.219	1.18	60.1	32.7
[0 4 1]	(2 0 0)	(1 1 -4)	2.615	2.203	1.19	73.8	76.0
[0 4 -1]	(2 0 0)	(1 -1 -4)	2.615	2.196	1.19	73.9	75.1
[0 1 0]	(2 0 0)	(2 0 -3)	2.615	2.171	1.20	43.5	89.5
[0 1 0]	(2 0 0)	(2 0 2)	2.615	2.148	1.22	27.0	89.5
[0 -1 -2]	(2 0 0)	(2 -2 1)	2.615	2.148	1.22	31.3	26.0
[0 -1 2]	(2 0 0)	(2 2 1)	2.615	2.140	1.22	31.3	25.7
[0 1 1]	(2 0 0)	(1 3 -3)	2.615	2.101	1.24	72.4	44.4
[0 -2 -1]	(2 0 0)	(0 -2 4)	2.615	2.090	1.25	82.3	63.1
[0 1 -1]	(2 0 0)	(1 -3 -3)	2.615	2.088	1.25	72.8	43.8
[0 -2 1]	(2 0 0)	(0 2 4)	2.615	2.076	1.26	82.2	62.3
[0 -4 -1]	(2 0 0)	(1 -1 4)	2.615	1.979	1.32	59.6	76.0

Talc-Triclinic (200) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[0 -4 1]	(2 0 0)	(1 1 4)	2.615	1.973	1.33	59.7	75.1
[0 3 2]	(2 0 0)	(2 2 -3)	2.615	1.965	1.33	48.9	55.8
[0 3 -2]	(2 0 0)	(2 -2 -3)	2.615	1.960	1.33	49.2	55.1
[0 -1 -1]	(2 0 0)	(1 -3 3)	2.615	1.950	1.34	62.2	44.4
[0 -1 1]	(2 0 0)	(1 3 3)	2.615	1.935	1.35	62.3	43.8
[0 1 0]	(2 0 0)	(2 0 -4)	2.615	1.890	1.38	53.1	89.5
[0 1 0]	(2 0 0)	(2 0 3)	2.615	1.869	1.40	36.4	89.5
[0 -3 -4]	(2 0 0)	(0 -4 3)	2.615	1.855	1.41	85.0	36.2
[0 -3 4]	(2 0 0)	(0 4 3)	2.615	1.840	1.42	84.8	35.8
[0 4 3]	(2 0 0)	(1 3 -4)	2.615	1.826	1.43	76.5	52.6
[0 5 1]	(2 0 0)	(1 1 -5)	2.615	1.818	1.44	78.4	78.8
[0 4 -3]	(2 0 0)	(1 -3 -4)	2.615	1.814	1.44	76.8	52.0
[0 5 -1]	(2 0 0)	(1 -1 -5)	2.615	1.813	1.44	78.5	77.9
[0 -5 -2]	(2 0 0)	(0 -2 5)	2.615	1.737	1.51	82.0	68.0
[0 -3 -2]	(2 0 0)	(2 -2 3)	2.615	1.735	1.51	41.7	55.8
[0 0 1]	(2 0 0)	(1 -5 0)	2.615	1.733	1.51	70.8	0.0
[0 0 1]	(2 0 0)	(1 5 0)	2.615	1.730	1.51	70.5	0.0
[0 -5 2]	(2 0 0)	(0 2 5)	2.615	1.727	1.51	81.9	67.2
[0 1 -4]	(2 0 0)	(2 -4 -1)	2.615	1.727	1.51	50.9	13.5
[0 -3 2]	(2 0 0)	(2 2 3)	2.615	1.727	1.51	41.8	55.1
[0 0 1]	(2 0 0)	(2 -4 0)	2.615	1.726	1.51	48.8	0.0
[0 1 4]	(2 0 0)	(2 4 -1)	2.615	1.726	1.51	50.6	13.7
[0 0 1]	(2 0 0)	(2 4 0)	2.615	1.722	1.52	48.7	0.0
[0 1 5]	(2 0 0)	(1 5 -1)	2.615	1.719	1.52	72.3	11.1
[0 1 -5]	(2 0 0)	(1 -5 -1)	2.615	1.717	1.52	72.7	10.9
[0 -4 -3]	(2 0 0)	(1 -3 4)	2.615	1.694	1.54	64.4	52.6
[0 2 1]	(2 0 0)	(3 1 -2)	2.615	1.691	1.55	23.6	63.1
[0 2 -1]	(2 0 0)	(3 -1 -2)	2.615	1.691	1.55	23.8	62.3
[0 -1 -5]	(2 0 0)	(1 -5 1)	2.615	1.691	1.55	69.6	11.1
[0 -1 5]	(2 0 0)	(1 5 1)	2.615	1.683	1.55	69.4	10.9
[0 -4 3]	(2 0 0)	(1 3 4)	2.615	1.681	1.56	64.4	52.0
[0 1 2]	(2 0 0)	(2 4 -2)	2.615	1.674	1.56	54.0	26.0
[0 1 -2]	(2 0 0)	(2 -4 -2)	2.615	1.671	1.56	54.3	25.7
[0 -1 -4]	(2 0 0)	(2 -4 1)	2.615	1.670	1.57	48.4	13.7
[0 -1 4]	(2 0 0)	(2 4 1)	2.615	1.662	1.57	48.3	13.5
[0 -5 -1]	(2 0 0)	(1 -1 5)	2.615	1.657	1.58	63.2	78.8
[0 2 5]	(2 0 0)	(1 5 -2)	2.615	1.654	1.58	74.6	21.3
[0 -5 1]	(2 0 0)	(1 1 5)	2.615	1.652	1.58	63.3	77.9
[0 2 -5]	(2 0 0)	(1 -5 -2)	2.615	1.647	1.59	75.0	21.1
[0 1 0]	(2 0 0)	(2 0 -5)	2.615	1.643	1.59	60.3	89.5
[0 1 0]	(2 0 0)	(2 0 4)	2.615	1.625	1.61	43.4	89.5
[0 3 1]	(2 0 0)	(3 1 -3)	2.615	1.605	1.63	32.5	71.5
[0 3 -1]	(2 0 0)	(3 -1 -3)	2.615	1.604	1.63	32.6	70.6
[0 -2 -5]	(2 0 0)	(1 -5 2)	2.615	1.603	1.63	69.2	21.3
[0 -2 5]	(2 0 0)	(1 5 2)	2.615	1.593	1.64	69.0	21.1
[0 5 3]	(2 0 0)	(1 3 -5)	2.615	1.589	1.65	79.8	58.6
[0 3 4]	(2 0 0)	(2 4 -3)	2.615	1.579	1.66	58.0	36.2
[0 5 -3]	(2 0 0)	(1 -3 -5)	2.615	1.579	1.66	80.0	57.9

Talc-Triclinic (200) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[0 3 -4]	(2 0 0)	(2 -4 -3)	2.615	1.574	1.66	58.4	35.8
[0 -1 -2]	(2 0 0)	(2 -4 2)	2.615	1.573	1.66	49.4	26.0
[0 -1 2]	(2 0 0)	(2 4 2)	2.615	1.563	1.67	49.4	25.7
[0 3 5]	(2 0 0)	(1 5 -3)	2.615	1.551	1.69	77.1	30.4
[0 5 2]	(2 0 0)	(2 2 -5)	2.615	1.550	1.69	62.1	68.0
[0 5 -2]	(2 0 0)	(2 -2 -5)	2.615	1.544	1.69	62.3	67.2
[0 3 -5]	(2 0 0)	(1 -5 -3)	2.615	1.542	1.70	77.4	30.0
[0 6 1]	(2 0 0)	(1 1 -6)	2.615	1.539	1.70	81.6	80.7
[0 -2 -1]	(2 0 0)	(3 -1 2)	2.615	1.538	1.70	21.4	63.1
[0 6 -1]	(2 0 0)	(1 -1 -6)	2.615	1.536	1.70	81.7	79.8
[0 -2 1]	(2 0 0)	(3 1 2)	2.615	1.535	1.70	21.5	62.3
[0 1 -3]	(2 0 0)	(3 -3 -1)	2.615	1.528	1.71	31.8	17.8
[0 1 3]	(2 0 0)	(3 3 -1)	2.615	1.526	1.71	31.6	18.0
[0 -1 -6]	(2 0 0)	(0 -6 1)	2.615	1.511	1.73	88.8	9.3
[0 -1 6]	(2 0 0)	(0 6 1)	2.615	1.507	1.74	88.4	9.1
[0 2 3]	(2 0 0)	(3 3 -2)	2.615	1.500	1.74	35.6	33.1
[0 2 -3]	(2 0 0)	(3 -3 -2)	2.615	1.499	1.74	35.9	32.7
[0 4 1]	(2 0 0)	(3 1 -4)	2.615	1.492	1.75	40.5	76.0
[0 4 -1]	(2 0 0)	(3 -1 -4)	2.615	1.490	1.75	40.7	75.1
[0 -3 -5]	(2 0 0)	(1 -5 3)	2.615	1.488	1.76	69.2	30.4
[0 -3 -1]	(2 0 0)	(0 -2 6)	2.615	1.479	1.77	81.8	71.5
[0 -5 -3]	(2 0 0)	(1 -3 5)	2.615	1.479	1.77	66.4	58.6
[0 -3 5]	(2 0 0)	(1 5 3)	2.615	1.477	1.77	69.1	30.0
[0 -3 1]	(2 0 0)	(0 2 6)	2.615	1.472	1.78	81.8	70.6
[0 -5 3]	(2 0 0)	(1 3 5)	2.615	1.469	1.78	66.4	57.9
[0 -1 -3]	(2 0 0)	(3 -3 1)	2.615	1.467	1.78	30.2	18.0
[0 -1 3]	(2 0 0)	(3 3 1)	2.615	1.462	1.79	30.3	17.8
[0 1 1]	(2 0 0)	(2 4 -4)	2.615	1.462	1.79	62.2	44.4
[0 -1 -3]	(2 0 0)	(0 -6 2)	2.615	1.457	1.80	87.5	18.0
[0 1 -1]	(2 0 0)	(2 -4 -4)	2.615	1.455	1.80	62.6	43.8
[0 -5 -4]	(2 0 0)	(0 -4 5)	2.615	1.455	1.80	83.4	50.8
[0 -3 -4]	(2 0 0)	(2 -4 3)	2.615	1.454	1.80	51.3	36.2
[0 -1 3]	(2 0 0)	(0 6 2)	2.615	1.450	1.80	87.2	17.8
[0 -3 4]	(2 0 0)	(2 4 3)	2.615	1.444	1.81	51.4	35.8
[0 -5 4]	(2 0 0)	(0 4 5)	2.615	1.444	1.81	83.2	50.2
[0 1 0]	(2 0 0)	(2 0 -6)	2.615	1.438	1.82	65.8	89.5
[0 4 5]	(2 0 0)	(1 5 -4)	2.615	1.430	1.83	79.4	38.0
[0 1 0]	(2 0 0)	(2 0 5)	2.615	1.423	1.84	48.8	89.5
[0 4 -5]	(2 0 0)	(1 -5 -4)	2.615	1.421	1.84	79.8	37.6
[0 -6 -1]	(2 0 0)	(1 -1 6)	2.615	1.420	1.84	65.9	80.7
[0 -6 1]	(2 0 0)	(1 1 6)	2.615	1.416	1.85	65.9	79.8
[0 -3 -1]	(2 0 0)	(3 -1 3)	2.615	1.416	1.85	28.3	71.5
[0 -3 1]	(2 0 0)	(3 1 3)	2.615	1.414	1.85	28.4	70.6
[0 2 1]	(2 0 0)	(1 3 -6)	2.615	1.393	1.88	82.4	63.1
[0 -2 -3]	(2 0 0)	(3 -3 2)	2.615	1.391	1.88	32.7	33.1
[0 -2 3]	(2 0 0)	(3 3 2)	2.615	1.385	1.89	32.8	32.7
[0 2 -1]	(2 0 0)	(1 -3 -6)	2.615	1.385	1.89	82.6	62.3
[0 5 1]	(2 0 0)	(3 1 -5)	2.615	1.369	1.91	47.5	78.8

Talc-Triclinic (200) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[0 5 -1]	(2 0 0)	(3 -1 -5)	2.615	1.367	1.91	47.7	77.9
[0 -4 -5]	(2 0 0)	(1 -5 4)	2.615	1.365	1.92	69.7	38.0
[0 -5 -2]	(2 0 0)	(2 -2 5)	2.615	1.362	1.92	50.9	68.0
[0 4 3]	(2 0 0)	(3 3 -4)	2.615	1.356	1.93	46.2	52.6
[0 -5 2]	(2 0 0)	(2 2 5)	2.615	1.356	1.93	51.0	67.2
[0 -4 5]	(2 0 0)	(1 5 4)	2.615	1.354	1.93	69.6	37.6
[0 4 -3]	(2 0 0)	(3 -3 -4)	2.615	1.353	1.93	46.6	52.0
[0 5 4]	(2 0 0)	(2 4 -5)	2.615	1.339	1.95	66.1	50.8
[0 5 -4]	(2 0 0)	(2 -4 -5)	2.615	1.332	1.96	66.4	50.2
[0 7 1]	(2 0 0)	(1 1 -7)	2.615	1.331	1.96	84.0	82.1
[0 -1 -1]	(2 0 0)	(2 -4 4)	2.615	1.331	1.96	53.6	44.4
[0 7 -1]	(2 0 0)	(1 -1 -7)	2.615	1.328	1.97	84.1	81.2
[0 -1 1]	(2 0 0)	(2 4 4)	2.615	1.321	1.98	53.7	43.8
[0 1 -6]	(2 0 0)	(2 -6 -1)	2.615	1.321	1.98	61.2	9.1
[0 1 6]	(2 0 0)	(2 6 -1)	2.615	1.321	1.98	60.9	9.3
[0 1 1]	(2 0 0)	(1 5 -5)	2.615	1.308	2.00	81.6	44.4
[0 -2 -1]	(2 0 0)	(1 -3 6)	2.615	1.304	2.01	68.0	63.1
[0 1 -1]	(2 0 0)	(1 -5 -5)	2.615	1.299	2.01	81.9	43.8
[0 -1 -6]	(2 0 0)	(2 -6 1)	2.615	1.296	2.02	59.1	9.3
[0 -2 1]	(2 0 0)	(1 3 6)	2.615	1.295	2.02	68.0	62.3
[0 -4 -1]	(2 0 0)	(3 -1 4)	2.615	1.294	2.02	34.3	76.0
[0 -4 1]	(2 0 0)	(3 1 4)	2.615	1.292	2.02	34.4	75.1
[0 -1 6]	(2 0 0)	(2 6 1)	2.615	1.291	2.03	58.9	9.1
[0 -7 -2]	(2 0 0)	(0 -2 7)	2.615	1.285	2.03	81.7	74.0
[0 -2 -3]	(2 0 0)	(0 -6 4)	2.615	1.284	2.04	85.4	33.1
[0 -7 2]	(2 0 0)	(0 2 7)	2.615	1.280	2.04	81.6	73.2
[0 1 0]	(2 0 0)	(4 0 -3)	2.615	1.276	2.05	23.9	89.5
[0 -2 3]	(2 0 0)	(0 6 4)	2.615	1.275	2.05	85.1	32.7
[0 0 1]	(2 0 0)	(1 -7 0)	2.615	1.272	2.06	76.1	0.0
[0 1 -5]	(2 0 0)	(3 -5 -1)	2.615	1.272	2.06	45.0	10.9
[0 0 1]	(2 0 0)	(1 7 0)	2.615	1.270	2.06	75.8	0.0
[0 1 5]	(2 0 0)	(3 5 -1)	2.615	1.270	2.06	44.8	11.1
[0 1 0]	(2 0 0)	(2 0 -7)	2.615	1.270	2.06	70.0	89.5
[0 1 7]	(2 0 0)	(1 7 -1)	2.615	1.266	2.06	77.0	8.0
[0 0 1]	(2 0 0)	(3 -5 0)	2.615	1.265	2.07	43.6	0.0
[0 1 -7]	(2 0 0)	(1 -7 -1)	2.615	1.265	2.07	77.4	7.8
[0 5 3]	(2 0 0)	(3 3 -5)	2.615	1.262	2.07	51.4	58.6
[0 0 1]	(2 0 0)	(3 5 0)	2.615	1.262	2.07	43.5	0.0
[0 1 -1]	(2 0 0)	(4 -2 -2)	2.615	1.261	2.07	22.6	43.8
[0 1 1]	(2 0 0)	(4 2 -2)	2.615	1.261	2.07	22.4	44.4
[0 5 -3]	(2 0 0)	(3 -3 -5)	2.615	1.259	2.08	51.7	57.9
[0 1 0]	(2 0 0)	(2 0 6)	2.615	1.258	2.08	52.9	89.5
[0 -1 -7]	(2 0 0)	(1 -7 1)	2.615	1.256	2.08	75.1	8.0
[0 2 5]	(2 0 0)	(3 5 -2)	2.615	1.255	2.08	47.0	21.3
[0 2 -5]	(2 0 0)	(3 -5 -2)	2.615	1.255	2.08	47.4	21.1
[0 1 2]	(2 0 0)	(2 6 -3)	2.615	1.252	2.09	65.1	26.0
[0 -1 7]	(2 0 0)	(1 7 1)	2.615	1.251	2.09	74.8	7.8
[0 6 1]	(2 0 0)	(3 1 -6)	2.615	1.249	2.09	53.4	80.7

Talc-Triclinic (200) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[0 1 -2]	(2 0 0)	(2 -6 -3)	2.615	1.248	2.10	65.5	25.7
[0 6 -1]	(2 0 0)	(3 -1 -6)	2.615	1.248	2.10	53.5	79.8
[0 -1 -1]	(2 0 0)	(1 -5 5)	2.615	1.245	2.10	70.3	44.4
[0 2 7]	(2 0 0)	(1 7 -2)	2.615	1.240	2.11	78.5	15.6
[0 -7 -1]	(2 0 0)	(1 -1 7)	2.615	1.240	2.11	67.9	82.1
[0 -7 1]	(2 0 0)	(1 1 7)	2.615	1.237	2.11	67.9	81.2
[0 -1 -5]	(2 0 0)	(3 -5 1)	2.615	1.237	2.11	43.3	11.1
[0 2 -7]	(2 0 0)	(1 -7 -2)	2.615	1.236	2.11	78.8	15.4
[0 -1 1]	(2 0 0)	(1 5 5)	2.615	1.235	2.12	70.3	43.8
[0 7 3]	(2 0 0)	(1 3 -7)	2.615	1.234	2.12	84.4	66.6
[0 -1 5]	(2 0 0)	(3 5 1)	2.615	1.232	2.12	43.2	10.9
[0 3 2]	(2 0 0)	(4 2 -3)	2.615	1.230	2.13	28.1	55.8
[0 3 -2]	(2 0 0)	(4 -2 -3)	2.615	1.229	2.13	28.4	55.1
[0 7 -3]	(2 0 0)	(1 -3 -7)	2.615	1.227	2.13	84.6	65.8
[0 7 2]	(2 0 0)	(2 2 -7)	2.615	1.226	2.13	70.7	74.0
[0 3 2]	(2 0 0)	(2 4 -6)	2.615	1.221	2.14	69.5	55.8
[0 3 5]	(2 0 0)	(3 5 -3)	2.615	1.219	2.14	50.0	30.4
[0 -2 -7]	(2 0 0)	(1 -7 2)	2.615	1.219	2.15	74.4	15.6
[0 3 -5]	(2 0 0)	(3 -5 -3)	2.615	1.217	2.15	50.4	30.0
[0 3 -2]	(2 0 0)	(2 -4 -6)	2.615	1.215	2.15	69.8	55.1
[0 -5 -4]	(2 0 0)	(2 -4 5)	2.615	1.213	2.15	55.9	50.8
[0 -2 7]	(2 0 0)	(1 7 2)	2.615	1.212	2.16	74.1	15.4
[0 -5 4]	(2 0 0)	(2 4 5)	2.615	1.205	2.17	56.0	50.2
[0 -4 -3]	(2 0 0)	(3 -3 4)	2.615	1.204	2.17	39.9	52.6
[0 -4 3]	(2 0 0)	(3 3 4)	2.615	1.198	2.18	40.0	52.0
[0 3 7]	(2 0 0)	(1 7 -3)	2.615	1.195	2.19	80.0	22.7
[0 6 5]	(2 0 0)	(1 5 -6)	2.615	1.193	2.19	83.4	49.6
[0 3 -7]	(2 0 0)	(1 -7 -3)	2.615	1.190	2.20	80.4	22.4
[0 -5 -6]	(2 0 0)	(0 -6 5)	2.615	1.188	2.20	84.6	39.2
[0 -1 -2]	(2 0 0)	(2 -6 3)	2.615	1.187	2.20	59.4	26.0
[0 -2 5]	(2 0 0)	(3 5 2)	2.615	1.185	2.21	44.0	21.1
[0 6 -5]	(2 0 0)	(1 -5 -6)	2.615	1.184	2.21	83.7	49.0
[0 2 1]	(2 0 0)	(4 2 -4)	2.615	1.182	2.21	34.1	63.1
[0 2 -1]	(2 0 0)	(4 -2 -4)	2.615	1.181	2.21	34.3	62.3
[0 -5 -1]	(2 0 0)	(3 -1 5)	2.615	1.180	2.22	39.5	78.8
[0 -1 2]	(2 0 0)	(2 6 3)	2.615	1.179	2.22	59.3	25.7
[0 -5 6]	(2 0 0)	(0 6 5)	2.615	1.179	2.22	84.4	38.7
[0 -5 1]	(2 0 0)	(3 1 5)	2.615	1.178	2.22	39.5	77.9
[0 -1 -1]	(2 0 0)	(4 -2 2)	2.615	1.174	2.23	20.8	44.4
[0 -1 1]	(2 0 0)	(4 2 2)	2.615	1.171	2.23	20.9	43.8
[0 8 1]	(2 0 0)	(1 1 -8)	2.615	1.171	2.23	85.8	83.1
[0 8 -1]	(2 0 0)	(1 -1 -8)	2.615	1.169	2.24	85.9	82.2
[0 4 5]	(2 0 0)	(3 5 -4)	2.615	1.168	2.24	53.4	38.0
[0 -3 -7]	(2 0 0)	(1 -7 3)	2.615	1.166	2.24	73.9	22.7
[0 4 -5]	(2 0 0)	(3 -5 -4)	2.615	1.165	2.25	53.8	37.6
[0 -7 -3]	(2 0 0)	(1 -3 7)	2.615	1.160	2.25	69.4	66.6
[0 -7 -4]	(2 0 0)	(0 -4 7)	2.615	1.159	2.26	82.6	59.9
[0 -3 7]	(2 0 0)	(1 7 3)	2.615	1.158	2.26	73.7	22.4

Talc-Triclinic (200) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[0 1 0]	(2 0 0)	(4 0 -5)	2.615	1.157	2.26	37.7	89.5
[0 -7 3]	(2 0 0)	(1 3 7)	2.615	1.154	2.27	69.4	65.8
[0 -7 4]	(2 0 0)	(0 4 7)	2.615	1.150	2.27	82.5	59.1
[0 1 -4]	(2 0 0)	(4 -4 -1)	2.615	1.146	2.28	31.0	13.5
[0 1 0]	(2 0 0)	(4 0 3)	2.615	1.146	2.28	21.3	89.5
[0 1 4]	(2 0 0)	(4 4 -1)	2.615	1.145	2.28	30.8	13.7
[0 -1 -8]	(2 0 0)	(0 -8 1)	2.615	1.139	2.30	89.1	7.0
[0 7 1]	(2 0 0)	(3 1 -7)	2.615	1.139	2.30	58.3	82.1
[0 4 7]	(2 0 0)	(1 7 -4)	2.615	1.138	2.30	81.6	29.2
[0 7 -1]	(2 0 0)	(3 -1 -7)	2.615	1.138	2.30	58.4	81.2
[0 -1 8]	(2 0 0)	(0 8 1)	2.615	1.137	2.30	88.8	6.8
[0 -6 -5]	(2 0 0)	(1 -5 6)	2.615	1.135	2.30	71.0	49.6
[0 -4 -1]	(2 0 0)	(0 -2 8)	2.615	1.135	2.30	81.6	76.0
[0 2 0]	(2 0 0)	(2 0 -8)	2.615	1.133	2.31	73.3	89.5
[0 -3 -5]	(2 0 0)	(3 -5 3)	2.615	1.132	2.31	45.4	30.4
[0 4 -7]	(2 0 0)	(1 -7 -4)	2.615	1.131	2.31	81.9	28.8
[0 -4 1]	(2 0 0)	(0 2 8)	2.615	1.130	2.31	81.6	75.1
[0 -6 5]	(2 0 0)	(1 5 6)	2.615	1.126	2.32	71.0	49.0
[0 -3 5]	(2 0 0)	(3 5 3)	2.615	1.126	2.32	45.4	30.0
[0 1 0]	(2 0 0)	(2 0 7)	2.615	1.123	2.33	56.2	89.5
[0 5 6]	(2 0 0)	(2 6 -5)	2.615	1.122	2.33	70.1	39.2
[0 5 2]	(2 0 0)	(4 2 -5)	2.615	1.122	2.33	39.8	68.0
[0 5 -2]	(2 0 0)	(4 -2 -5)	2.615	1.121	2.33	40.0	67.2
[0 5 -6]	(2 0 0)	(2 -6 -5)	2.615	1.116	2.34	70.4	38.7
[0 3 4]	(2 0 0)	(4 4 -3)	2.615	1.116	2.34	36.8	36.2
[0 3 -4]	(2 0 0)	(4 -4 -3)	2.615	1.115	2.35	37.1	35.8
[0 7 4]	(2 0 0)	(2 4 -7)	2.615	1.114	2.35	72.5	59.9
[0 -3 -2]	(2 0 0)	(4 -2 3)	2.615	1.113	2.35	25.3	55.8
[0 -1 -4]	(2 0 0)	(4 -4 1)	2.615	1.112	2.35	29.9	13.7
[0 -5 -3]	(2 0 0)	(3 -3 5)	2.615	1.111	2.35	43.5	58.6
[0 -3 2]	(2 0 0)	(4 2 3)	2.615	1.110	2.36	25.4	55.1
[0 -1 4]	(2 0 0)	(4 4 1)	2.615	1.108	2.36	29.9	13.5
[0 7 -4]	(2 0 0)	(2 -4 -7)	2.615	1.108	2.36	72.7	59.1
[0 1 1]	(2 0 0)	(3 5 -5)	2.615	1.107	2.36	56.8	44.4
[0 -3 -2]	(2 0 0)	(2 -4 6)	2.615	1.107	2.36	58.1	55.8
[0 -5 3]	(2 0 0)	(3 3 5)	2.615	1.105	2.37	43.6	57.9
[0 -4 -7]	(2 0 0)	(1 -7 4)	2.615	1.104	2.37	73.7	29.2
[0 8 3]	(2 0 0)	(1 3 -8)	2.615	1.103	2.37	86.0	69.3
[0 1 -1]	(2 0 0)	(3 -5 -5)	2.615	1.103	2.37	57.2	43.8
[0 -3 2]	(2 0 0)	(2 4 6)	2.615	1.099	2.38	58.1	55.1
[0 -8 -1]	(2 0 0)	(1 -1 8)	2.615	1.099	2.38	69.4	83.1
[0 8 -3]	(2 0 0)	(1 -3 -8)	2.615	1.097	2.38	86.1	68.4
[0 -8 1]	(2 0 0)	(1 1 8)	2.615	1.097	2.38	69.4	82.2
[0 -4 7]	(2 0 0)	(1 7 4)	2.615	1.096	2.39	73.6	28.8
[0 -7 -2]	(2 0 0)	(2 -2 7)	2.615	1.093	2.39	57.3	74.0
[0 -7 2]	(2 0 0)	(2 2 7)	2.615	1.089	2.40	57.3	73.2
[0 7 5]	(2 0 0)	(1 5 -7)	2.615	1.088	2.40	85.0	54.0
[0 7 -5]	(2 0 0)	(1 -5 -7)	2.615	1.080	2.42	85.2	53.3

Talc-Triclinic (200) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[0 -3 -8]	(2 0 0)	(0 -8 3)	2.615	1.079	2.42	87.2	20.1
[0 -6 -1]	(2 0 0)	(3 -1 6)	2.615	1.077	2.43	43.8	80.7
[0 7 3]	(2 0 0)	(3 3 -7)	2.615	1.076	2.43	60.2	66.6
[0 -6 1]	(2 0 0)	(3 1 6)	2.615	1.075	2.43	43.9	79.8
[0 5 7]	(2 0 0)	(1 7 -5)	2.615	1.073	2.44	83.1	34.9
[0 -3 8]	(2 0 0)	(0 8 3)	2.615	1.073	2.44	86.9	19.8
[0 7 -3]	(2 0 0)	(3 -3 -7)	2.615	1.072	2.44	60.5	65.8
[0 -4 -5]	(2 0 0)	(3 -5 4)	2.615	1.067	2.45	47.2	38.0
[0 5 -7]	(2 0 0)	(1 -7 -5)	2.615	1.066	2.45	83.4	34.5
[0 -4 5]	(2 0 0)	(3 5 4)	2.615	1.061	2.47	47.3	37.6
[0 3 1]	(2 0 0)	(4 2 -6)	2.615	1.057	2.47	45.0	71.5
[0 3 -1]	(2 0 0)	(4 -2 -6)	2.615	1.056	2.48	45.2	70.6
[0 1 -7]	(2 0 0)	(3 -7 -1)	2.615	1.052	2.49	54.2	7.8
[0 0 2]	(2 0 0)	(2 -8 0)	2.615	1.051	2.49	66.5	0.0
[0 1 7]	(2 0 0)	(3 7 -1)	2.615	1.051	2.49	54.0	8.0
[0 1 -8]	(2 0 0)	(2 -8 -1)	2.615	1.051	2.49	67.5	6.8
[0 1 8]	(2 0 0)	(2 8 -1)	2.615	1.050	2.49	67.2	7.0
[0 0 1]	(2 0 0)	(2 8 0)	2.615	1.049	2.49	66.2	0.0
[0 -2 -1]	(2 0 0)	(4 -2 4)	2.615	1.047	2.50	29.8	63.1
[0 0 1]	(2 0 0)	(3 7 0)	2.615	1.046	2.50	53.0	0.0
[0 -5 -6]	(2 0 0)	(2 -6 5)	2.615	1.046	2.50	61.2	39.2
[0 -2 1]	(2 0 0)	(4 2 4)	2.615	1.044	2.50	29.9	62.3
[0 -8 -3]	(2 0 0)	(1 -3 8)	2.615	1.043	2.51	70.5	69.3
[0 2 7]	(2 0 0)	(3 7 -2)	2.615	1.043	2.51	55.5	15.6
[0 2 -7]	(2 0 0)	(3 -7 -2)	2.615	1.042	2.51	55.8	15.4
[0 9 -1]	(2 0 0)	(1 -1 -9)	2.615	1.042	2.51	87.3	83.0
[0 6 5]	(2 0 0)	(3 5 -6)	2.615	1.041	2.51	60.1	49.6
[0 8 1]	(2 0 0)	(3 1 -8)	2.615	1.041	2.51	62.4	83.1
[0 8 -1]	(2 0 0)	(3 -1 -8)	2.615	1.039	2.52	62.5	82.2
[0 1 4]	(2 0 0)	(2 8 -2)	2.615	1.039	2.52	68.5	13.7
[0 -1 -8]	(2 0 0)	(2 -8 1)	2.615	1.038	2.52	65.7	7.0
[0 -5 -7]	(2 0 0)	(1 -7 5)	2.615	1.038	2.52	73.7	34.9
[0 -5 6]	(2 0 0)	(2 6 5)	2.615	1.038	2.52	61.2	38.7
[0 1 -4]	(2 0 0)	(2 -8 -2)	2.615	1.037	2.52	68.9	13.5
[0 -8 3]	(2 0 0)	(1 3 8)	2.615	1.037	2.52	70.5	68.4
[0 -7 -5]	(2 0 0)	(1 -5 7)	2.615	1.037	2.52	71.7	54.0
[0 6 -5]	(2 0 0)	(3 -5 -6)	2.615	1.036	2.52	60.5	49.0
[0 -1 8]	(2 0 0)	(2 8 1)	2.615	1.035	2.53	65.5	6.8
[0 5 4]	(2 0 0)	(4 4 -5)	2.615	1.034	2.53	44.9	50.8
[0 3 -1]	(2 0 0)	(5 -1 -3)	2.615	1.033	2.53	20.3	70.6
[0 3 1]	(2 0 0)	(5 1 -3)	2.615	1.033	2.53	20.2	71.5
[0 5 -4]	(2 0 0)	(4 -4 -5)	2.615	1.032	2.53	45.2	50.2
[0 -5 7]	(2 0 0)	(1 7 5)	2.615	1.030	2.54	73.6	34.5
[0 -7 5]	(2 0 0)	(1 5 7)	2.615	1.029	2.54	71.7	53.3
[0 -1 7]	(2 0 0)	(3 7 1)	2.615	1.029	2.54	52.5	7.8
[0 -3 -4]	(2 0 0)	(4 -4 3)	2.615	1.027	2.55	33.5	36.2
[0 -2 -1]	(2 0 0)	(3 -3 6)	2.615	1.024	2.55	46.7	63.1
[0 -3 4]	(2 0 0)	(4 4 3)	2.615	1.023	2.56	33.6	35.8

Talc-Triclinic (200) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$
[0 3 7]	(2 0 0)	(3 7 -3)	2.615	1.022	2.56	57.4	22.7
[0 3 -7]	(2 0 0)	(3 -7 -3)	2.615	1.020	2.56	57.7	22.4
[0 1 0]	(2 0 0)	(2 0 -9)	2.615	1.020	2.56	76.0	89.5
[0 2 1]	(2 0 0)	(2 4 -8)	2.615	1.018	2.57	75.0	63.1
[0 3 8]	(2 0 0)	(2 8 -3)	2.615	1.015	2.58	70.0	20.1
[0 -9 -2]	(2 0 0)	(0 -2 9)	2.615	1.015	2.58	81.6	77.5
[0 -1 -4]	(2 0 0)	(2 -8 2)	2.615	1.014	2.58	65.3	13.7
[0 1 0]	(2 0 0)	(4 0 -7)	2.615	1.014	2.58	48.6	89.5
[0 2 -1]	(2 0 0)	(2 -4 -8)	2.615	1.013	2.58	75.2	62.3
[0 3 -8]	(2 0 0)	(2 -8 -3)	2.615	1.012	2.58	70.4	19.8
[0 -7 -4]	(2 0 0)	(2 -4 7)	2.615	1.012	2.58	60.0	59.9
[0 2 0]	(2 0 0)	(2 0 8)	2.615	1.012	2.58	58.8	89.5
[0 -9 2]	(2 0 0)	(0 2 9)	2.615	1.012	2.58	81.5	76.7
[0 -7 -6]	(2 0 0)	(0 -6 7)	2.615	1.010	2.59	83.6	48.8
[0 -1 4]	(2 0 0)	(2 8 2)	2.615	1.009	2.59	65.1	13.5
[0 4 1]	(2 0 0)	(5 1 -4)	2.615	1.007	2.60	26.0	76.0
[0 4 -1]	(2 0 0)	(5 -1 -4)	2.615	1.007	2.60	26.1	75.1
[0 6 7]	(2 0 0)	(1 7 -6)	2.615	1.007	2.60	84.4	40.0
[0 -2 -7]	(2 0 0)	(3 -7 2)	2.615	1.005	2.60	52.6	15.6
[0 -7 4]	(2 0 0)	(2 4 7)	2.615	1.005	2.60	60.0	59.1
[0 1 0]	(2 0 0)	(4 0 5)	2.615	1.003	2.61	32.0	89.5
[0 -7 6]	(2 0 0)	(0 6 7)	2.615	1.002	2.61	83.4	48.2
[0 1 -6]	(2 0 0)	(4 -6 -1)	2.615	1.001	2.61	41.6	9.1
[0 -1 -1]	(2 0 0)	(3 -5 5)	2.615	1.001	2.61	49.2	44.4
[0 0 1]	(2 0 0)	(1 -9 0)	2.615	1.001	2.61	79.1	0.0
[0 -2 7]	(2 0 0)	(3 7 2)	2.615	1.000	2.61	52.5	15.4

Talc-Triclinic (150) 277 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 -1 0]	(1 5 0)	(0 0 1)	1.730	9.351	0.18	86.7	82.0
[0 0 1]	(1 5 0)	(1 -1 0)	1.730	4.548	0.38	79.7	0.0
[0 0 1]	(1 5 0)	(1 1 0)	1.730	4.538	0.38	40.9	0.0
[5 -1 4]	(1 5 0)	(1 1 -1)	1.730	4.318	0.40	46.1	39.2
[5 -1 6]	(1 5 0)	(1 -1 -1)	1.730	4.312	0.40	78.7	27.7
[5 -1 -2]	(1 5 0)	(0 2 -1)	1.730	4.131	0.42	34.5	50.5
[5 -1 2]	(1 5 0)	(0 2 1)	1.730	4.104	0.42	29.6	61.6
[5 -1 -6]	(1 5 0)	(1 -1 1)	1.730	3.900	0.44	82.6	24.6
[5 -1 -4]	(1 5 0)	(1 1 1)	1.730	3.882	0.45	47.9	33.6
[5 -1 2]	(1 5 0)	(1 1 -2)	1.730	3.501	0.49	57.3	61.6
[5 -1 3]	(1 5 0)	(1 -1 -2)	1.730	3.490	0.50	79.7	48.6
[5 -1 -1]	(1 5 0)	(0 2 -2)	1.730	3.288	0.53	50.5	64.3
[5 -1 1]	(1 5 0)	(0 2 2)	1.730	3.261	0.53	44.7	78.7
[5 -1 -3]	(1 5 0)	(1 -1 2)	1.730	3.071	0.56	85.3	40.7
[5 -1 -2]	(1 5 0)	(1 1 2)	1.730	3.057	0.57	56.8	50.5
[15 -3 4]	(1 5 0)	(1 1 -3)	1.730	2.748	0.63	66.0	72.6
[5 -1 2]	(1 5 0)	(1 -1 -3)	1.730	2.739	0.63	80.9	61.6
[0 0 1]	(1 5 0)	(1 -3 0)	1.730	2.643	0.65	49.7	0.0
[5 -1 10]	(1 5 0)	(2 0 -1)	1.730	2.623	0.66	71.4	17.0
[0 0 1]	(1 5 0)	(2 0 0)	1.730	2.615	0.66	70.5	0.0
[5 -1 8]	(1 5 0)	(1 -3 -1)	1.730	2.590	0.67	49.4	21.1
[15 -3 -2]	(1 5 0)	(0 2 -3)	1.730	2.588	0.67	61.0	69.8
[15 -3 2]	(1 5 0)	(0 2 3)	1.730	2.568	0.67	54.8	85.1
[5 -1 -8]	(1 5 0)	(1 -3 1)	1.730	2.498	0.69	53.4	19.2
[5 -1 5]	(1 5 0)	(2 0 -2)	1.730	2.445	0.71	73.6	32.6
[5 -1 -2]	(1 5 0)	(1 -1 3)	1.730	2.431	0.71	87.1	50.5
[5 -1 -10]	(1 5 0)	(2 0 1)	1.730	2.425	0.71	71.1	15.8
[15 -3 -4]	(1 5 0)	(1 1 3)	1.730	2.421	0.71	63.4	59.2
[5 -1 1]	(1 5 0)	(1 3 -2)	1.730	2.383	0.73	30.9	78.7
[5 -1 4]	(1 5 0)	(1 -3 -2)	1.730	2.372	0.73	52.4	39.2
[5 -1 12]	(1 5 0)	(2 -2 -1)	1.730	2.277	0.76	78.9	14.2
[5 -1 8]	(1 5 0)	(2 2 -1)	1.730	2.276	0.76	41.9	21.1
[5 -1 -4]	(1 5 0)	(1 -3 2)	1.730	2.235	0.77	58.7	33.6
[5 -1 -4]	(1 5 0)	(0 4 -1)	1.730	2.231	0.78	25.2	33.6
[5 -1 4]	(1 5 0)	(0 4 1)	1.730	2.223	0.78	21.8	39.2
[5 -1 -1]	(1 5 0)	(1 3 2)	1.730	2.219	0.78	31.4	64.3
[5 -1 1]	(1 5 0)	(1 1 -4)	1.730	2.203	0.79	71.8	78.7
[10 -2 3]	(1 5 0)	(1 -1 -4)	1.730	2.196	0.79	81.9	69.7
[15 -3 10]	(1 5 0)	(2 0 -3)	1.730	2.171	0.80	76.3	45.1
[5 -1 -5]	(1 5 0)	(2 0 2)	1.730	2.148	0.81	72.5	28.5
[5 -1 -12]	(1 5 0)	(2 -2 1)	1.730	2.148	0.81	81.1	13.3
[5 -1 -8]	(1 5 0)	(2 2 1)	1.730	2.140	0.81	43.4	19.2
[15 -3 2]	(1 5 0)	(1 3 -3)	1.730	2.101	0.82	42.0	85.1
[10 -2 -1]	(1 5 0)	(0 2 -4)	1.730	2.090	0.83	67.8	72.7
[15 -3 8]	(1 5 0)	(1 -3 -3)	1.730	2.088	0.83	56.6	52.4
[10 -2 1]	(1 5 0)	(0 2 4)	1.730	2.076	0.83	61.4	88.3
[10 -2 -3]	(1 5 0)	(1 -1 4)	1.730	1.979	0.87	88.4	56.9
[5 -1 -1]	(1 5 0)	(1 1 4)	1.730	1.973	0.88	67.8	64.3

Talc-Triclinic (150) 277 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[15 -3 8]	(1 5 0)	(2 2 -3)	1.730	1.965	0.88	51.8	52.4
[5 -1 4]	(1 5 0)	(2 -2 -3)	1.730	1.960	0.88	79.1	39.2
[15 -3 -8]	(1 5 0)	(1 -3 3)	1.730	1.950	0.89	63.8	43.6
[15 -3 -2]	(1 5 0)	(1 3 3)	1.730	1.935	0.89	40.8	69.8
[10 -2 5]	(1 5 0)	(2 0 -4)	1.730	1.890	0.91	78.8	54.6
[15 -3 -10]	(1 5 0)	(2 0 3)	1.730	1.869	0.93	74.2	38.1
[15 -3 -4]	(1 5 0)	(0 4 -3)	1.730	1.855	0.93	43.2	59.2
[15 -3 4]	(1 5 0)	(0 4 3)	1.730	1.840	0.94	37.7	72.6
[10 -2 1]	(1 5 0)	(1 3 -4)	1.730	1.826	0.95	50.6	88.3
[5 -1 2]	(1 5 0)	(1 -3 -4)	1.730	1.814	0.95	60.7	61.6
[5 -1 -4]	(1 5 0)	(2 -2 3)	1.730	1.735	1.00	84.0	33.6
[0 0 1]	(1 5 0)	(1 -5 0)	1.730	1.733	1.00	38.7	0.0
[5 -1 16]	(1 5 0)	(3 -1 -1)	1.730	1.731	1.00	81.8	10.6
[5 -1 14]	(1 5 0)	(3 1 -1)	1.730	1.730	1.00	60.1	12.1
[5 -1 14]	(1 5 0)	(2 -4 -1)	1.730	1.727	1.00	59.9	12.1
[15 -3 -8]	(1 5 0)	(2 2 3)	1.730	1.727	1.00	52.6	43.6
[0 0 1]	(1 5 0)	(2 -4 0)	1.730	1.726	1.00	60.6	0.0
[5 -1 6]	(1 5 0)	(2 4 -1)	1.730	1.726	1.00	23.1	27.7
[0 0 1]	(1 5 0)	(2 4 0)	1.730	1.722	1.00	21.9	0.0
[5 -1 10]	(1 5 0)	(1 -5 -1)	1.730	1.717	1.01	38.4	17.0
[0 0 1]	(1 5 0)	(3 -1 0)	1.730	1.713	1.01	81.3	0.0
[0 0 1]	(1 5 0)	(3 1 0)	1.730	1.712	1.01	59.8	0.0
[5 -1 -2]	(1 5 0)	(1 -3 4)	1.730	1.694	1.02	68.1	50.5
[5 -1 7]	(1 5 0)	(3 1 -2)	1.730	1.691	1.02	61.5	24.0
[5 -1 8]	(1 5 0)	(3 -1 -2)	1.730	1.691	1.02	82.6	21.1
[5 -1 -10]	(1 5 0)	(1 -5 1)	1.730	1.691	1.02	41.3	15.8
[10 -2 -1]	(1 5 0)	(1 3 4)	1.730	1.681	1.03	48.1	72.7
[5 -1 3]	(1 5 0)	(2 4 -2)	1.730	1.674	1.03	28.2	48.6
[5 -1 7]	(1 5 0)	(2 -4 -2)	1.730	1.671	1.04	60.3	24.0
[5 -1 -14]	(1 5 0)	(2 -4 1)	1.730	1.670	1.04	62.4	11.5
[5 -1 -6]	(1 5 0)	(2 4 1)	1.730	1.662	1.04	25.0	24.6
[5 -1 0]	(1 5 0)	(1 5 -2)	1.730	1.654	1.05	20.7	82.0
[5 -1 5]	(1 5 0)	(1 -5 -2)	1.730	1.647	1.05	40.3	32.6
[5 -1 -16]	(1 5 0)	(3 -1 1)	1.730	1.643	1.05	81.1	10.2
[5 -1 2]	(1 5 0)	(2 0 -5)	1.730	1.643	1.05	80.9	61.6
[5 -1 -14]	(1 5 0)	(3 1 1)	1.730	1.641	1.05	60.5	11.5
[10 -2 -5]	(1 5 0)	(2 0 4)	1.730	1.625	1.06	75.7	45.2
[15 -3 14]	(1 5 0)	(3 1 -3)	1.730	1.605	1.08	63.7	34.6
[15 -3 16]	(1 5 0)	(3 -1 -3)	1.730	1.604	1.08	83.6	30.8
[5 -1 -5]	(1 5 0)	(1 -5 2)	1.730	1.603	1.08	45.4	28.5
[5 -1 2]	(1 5 0)	(2 4 -3)	1.730	1.579	1.10	34.7	61.6
[15 -3 14]	(1 5 0)	(2 -4 -3)	1.730	1.574	1.10	61.6	34.6
[5 -1 -7]	(1 5 0)	(2 -4 2)	1.730	1.573	1.10	64.7	21.6
[5 -1 -3]	(1 5 0)	(2 4 2)	1.730	1.563	1.11	30.5	40.7
[5 -1 0]	(1 5 0)	(1 5 -3)	1.730	1.551	1.12	29.8	82.0
[15 -3 10]	(1 5 0)	(1 -5 -3)	1.730	1.542	1.12	43.6	45.1
[15 -3 2]	(1 5 0)	(1 1 -6)	1.730	1.539	1.12	78.5	85.1
[5 -1 -8]	(1 5 0)	(3 -1 2)	1.730	1.538	1.12	81.1	19.2

Talc-Triclinic (150) 277 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 -1 1]	(1 5 0)	(1 -1 -6)	1.730	1.536	1.13	83.3	78.7
[5 -1 -7]	(1 5 0)	(3 1 2)	1.730	1.535	1.13	61.9	21.6
[5 -1 18]	(1 5 0)	(3 -3 -1)	1.730	1.528	1.13	79.1	9.4
[5 -1 12]	(1 5 0)	(3 3 -1)	1.730	1.526	1.13	41.1	14.2
[5 -1 -6]	(1 5 0)	(0 6 -1)	1.730	1.511	1.14	22.6	24.6
[5 -1 6]	(1 5 0)	(0 6 1)	1.730	1.507	1.15	20.0	27.7
[5 -1 6]	(1 5 0)	(3 3 -2)	1.730	1.500	1.15	43.0	27.7
[5 -1 9]	(1 5 0)	(3 -3 -2)	1.730	1.499	1.15	78.8	18.8
[10 -2 7]	(1 5 0)	(3 1 -4)	1.730	1.492	1.16	66.3	43.5
[5 -1 4]	(1 5 0)	(3 -1 -4)	1.730	1.490	1.16	84.6	39.2
[15 -3 -10]	(1 5 0)	(1 -5 3)	1.730	1.488	1.16	50.0	38.1
[15 -3 -1]	(1 5 0)	(0 2 -6)	1.730	1.479	1.17	75.5	75.7
[5 -1 0]	(1 5 0)	(1 5 3)	1.730	1.477	1.17	28.2	82.0
[15 -3 1]	(1 5 0)	(0 2 6)	1.730	1.472	1.18	69.1	88.4
[5 -1 -18]	(1 5 0)	(3 -3 1)	1.730	1.467	1.18	80.6	9.1
[5 -1 -12]	(1 5 0)	(3 3 1)	1.730	1.462	1.18	42.3	13.3
[10 -2 3]	(1 5 0)	(2 4 -4)	1.730	1.462	1.18	41.2	69.7
[5 -1 -3]	(1 5 0)	(0 6 -2)	1.730	1.457	1.19	28.2	40.7
[10 -2 7]	(1 5 0)	(2 -4 -4)	1.730	1.455	1.19	63.3	43.5
[15 -3 -14]	(1 5 0)	(2 -4 3)	1.730	1.454	1.19	67.3	30.0
[5 -1 3]	(1 5 0)	(0 6 2)	1.730	1.450	1.19	24.1	48.6
[5 -1 -2]	(1 5 0)	(2 4 3)	1.730	1.444	1.20	36.4	50.5
[15 -3 5]	(1 5 0)	(2 0 -6)	1.730	1.438	1.20	82.5	66.9
[5 -1 0]	(1 5 0)	(1 5 -4)	1.730	1.430	1.21	37.7	82.0
[5 -1 -2]	(1 5 0)	(2 0 5)	1.730	1.423	1.22	77.0	50.5
[10 -2 5]	(1 5 0)	(1 -5 -4)	1.730	1.421	1.22	47.5	54.6
[5 -1 -1]	(1 5 0)	(1 -1 6)	1.730	1.420	1.22	89.8	64.3
[15 -3 -2]	(1 5 0)	(1 1 6)	1.730	1.416	1.22	73.2	69.8
[15 -3 -16]	(1 5 0)	(3 -1 3)	1.730	1.416	1.22	81.3	27.0
[15 -3 -14]	(1 5 0)	(3 1 3)	1.730	1.414	1.22	63.8	30.0
[15 -3 1]	(1 5 0)	(1 3 -6)	1.730	1.393	1.24	62.1	88.4
[5 -1 -9]	(1 5 0)	(3 -3 2)	1.730	1.391	1.24	81.6	17.3
[5 -1 -6]	(1 5 0)	(3 3 2)	1.730	1.385	1.25	44.8	24.6
[15 -3 4]	(1 5 0)	(1 -3 -6)	1.730	1.385	1.25	67.0	72.6
[10 -2 -5]	(1 5 0)	(1 -5 4)	1.730	1.365	1.27	54.5	45.2
[5 -1 3]	(1 5 0)	(3 3 -4)	1.730	1.356	1.28	49.9	48.6
[5 -1 0]	(1 5 0)	(1 5 4)	1.730	1.354	1.28	35.3	82.0
[10 -2 9]	(1 5 0)	(3 -3 -4)	1.730	1.353	1.28	78.9	35.6
[10 -2 -7]	(1 5 0)	(2 -4 4)	1.730	1.331	1.30	69.8	36.9
[5 -1 20]	(1 5 0)	(4 0 -1)	1.730	1.322	1.31	70.8	8.5
[10 -2 -3]	(1 5 0)	(2 4 4)	1.730	1.321	1.31	41.9	56.9
[5 -1 16]	(1 5 0)	(2 -6 -1)	1.730	1.321	1.31	49.1	10.6
[5 -1 0]	(1 5 0)	(1 5 -5)	1.730	1.308	1.32	44.3	82.0
[15 -3 -4]	(1 5 0)	(1 -3 6)	1.730	1.304	1.33	74.3	59.2
[5 -1 2]	(1 5 0)	(1 -5 -5)	1.730	1.299	1.33	51.3	61.6
[5 -1 -16]	(1 5 0)	(2 -6 1)	1.730	1.296	1.33	51.2	10.2
[15 -3 -1]	(1 5 0)	(1 3 6)	1.730	1.295	1.34	58.0	75.7
[5 -1 -4]	(1 5 0)	(3 -1 4)	1.730	1.294	1.34	81.6	33.6

Talc-Triclinic (150) 277 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[10 -2 -7]	(1 5 0)	(3 1 4)	1.730	1.292	1.34	65.7	36.9
[10 -2 -3]	(1 5 0)	(0 6 -4)	1.730	1.284	1.35	40.4	56.9
[15 -3 20]	(1 5 0)	(4 0 -3)	1.730	1.276	1.36	72.4	25.1
[10 -2 3]	(1 5 0)	(0 6 4)	1.730	1.275	1.36	35.1	69.7
[0 0 1]	(1 5 0)	(1 -7 0)	1.730	1.272	1.36	33.4	0.0
[5 -1 20]	(1 5 0)	(3 -5 -1)	1.730	1.272	1.36	65.2	8.5
[5 -1 18]	(1 5 0)	(4 2 -1)	1.730	1.270	1.36	54.7	9.4
[5 -1 10]	(1 5 0)	(3 5 -1)	1.730	1.270	1.36	27.3	17.0
[5 -1 -20]	(1 5 0)	(4 0 1)	1.730	1.269	1.36	70.6	8.2
[0 0 1]	(1 5 0)	(3 -5 0)	1.730	1.265	1.37	65.9	0.0
[5 -1 12]	(1 5 0)	(1 -7 -1)	1.730	1.265	1.37	33.0	14.2
[0 0 1]	(1 5 0)	(3 5 0)	1.730	1.262	1.37	27.1	0.0
[5 -1 11]	(1 5 0)	(4 -2 -2)	1.730	1.261	1.37	87.3	15.4
[5 -1 9]	(1 5 0)	(4 2 -2)	1.730	1.261	1.37	55.6	18.8
[0 0 1]	(1 5 0)	(4 -2 0)	1.730	1.258	1.37	86.4	0.0
[15 -3 -5]	(1 5 0)	(2 0 6)	1.730	1.258	1.38	78.1	54.6
[0 0 1]	(1 5 0)	(4 2 0)	1.730	1.256	1.38	54.6	0.0
[5 -1 -12]	(1 5 0)	(1 -7 1)	1.730	1.256	1.38	35.3	13.3
[5 -1 5]	(1 5 0)	(3 5 -2)	1.730	1.255	1.38	29.5	32.6
[5 -1 10]	(1 5 0)	(3 -5 -2)	1.730	1.255	1.38	65.1	17.0
[15 -3 4]	(1 5 0)	(2 6 -3)	1.730	1.252	1.38	24.6	72.6
[15 -3 7]	(1 5 0)	(3 1 -6)	1.730	1.249	1.38	71.3	56.8
[15 -3 16]	(1 5 0)	(2 -6 -3)	1.730	1.248	1.39	50.6	30.8
[15 -3 8]	(1 5 0)	(3 -1 -6)	1.730	1.248	1.39	86.3	52.4
[5 -1 -2]	(1 5 0)	(1 -5 5)	1.730	1.245	1.39	58.5	50.5
[5 -1 -20]	(1 5 0)	(3 -5 1)	1.730	1.237	1.40	66.9	8.2
[5 -1 6]	(1 5 0)	(1 -7 -2)	1.730	1.236	1.40	34.2	27.7
[5 -1 0]	(1 5 0)	(1 5 5)	1.730	1.235	1.40	41.2	82.0
[5 -1 -10]	(1 5 0)	(3 5 1)	1.730	1.232	1.40	28.7	15.8
[5 -1 6]	(1 5 0)	(4 2 -3)	1.730	1.230	1.41	57.1	27.7
[5 -1 -18]	(1 5 0)	(4 2 1)	1.730	1.222	1.42	55.2	9.1
[5 -1 1]	(1 5 0)	(2 4 -6)	1.730	1.221	1.42	52.2	78.7
[15 -3 10]	(1 5 0)	(3 5 -3)	1.730	1.219	1.42	33.1	45.1
[5 -1 -6]	(1 5 0)	(1 -7 2)	1.730	1.219	1.42	38.3	24.6
[15 -3 20]	(1 5 0)	(3 -5 -3)	1.730	1.217	1.42	65.4	25.1
[15 -3 7]	(1 5 0)	(2 -4 -6)	1.730	1.215	1.42	67.0	56.8
[10 -2 -9]	(1 5 0)	(3 -3 4)	1.730	1.204	1.44	83.6	30.8
[5 -1 -3]	(1 5 0)	(3 3 4)	1.730	1.198	1.44	51.1	40.7
[15 -3 -2]	(1 5 0)	(1 7 -3)	1.730	1.195	1.45	23.8	69.8
[5 -1 0]	(1 5 0)	(1 5 -6)	1.730	1.193	1.45	49.8	82.0
[5 -1 -10]	(1 5 0)	(3 -5 2)	1.730	1.191	1.45	68.3	15.8
[5 -1 4]	(1 5 0)	(1 -7 -3)	1.730	1.190	1.45	36.6	39.2
[15 -3 -16]	(1 5 0)	(2 -6 3)	1.730	1.187	1.46	56.0	27.0
[15 -3 5]	(1 5 0)	(1 -5 -6)	1.730	1.184	1.46	54.7	66.9
[10 -2 9]	(1 5 0)	(4 2 -4)	1.730	1.182	1.46	59.0	35.6
[10 -2 11]	(1 5 0)	(4 -2 -4)	1.730	1.181	1.47	88.3	29.9
[15 -3 -4]	(1 5 0)	(2 6 3)	1.730	1.179	1.47	25.8	59.2
[5 -1 -11]	(1 5 0)	(4 -2 2)	1.730	1.174	1.47	85.9	14.4

Talc-Triclinic (150) 277 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 -1 -9]	(1 5 0)	(4 2 2)	1.730	1.171	1.48	56.4	17.3
[10 -2 1]	(1 5 0)	(1 1 -8)	1.730	1.171	1.48	82.1	88.3
[20 -4 3]	(1 5 0)	(1 -1 -8)	1.730	1.169	1.48	84.1	83.5
[10 -2 5]	(1 5 0)	(3 5 -4)	1.730	1.168	1.48	37.3	54.6
[5 -1 2]	(1 5 0)	(3 3 -6)	1.730	1.167	1.48	57.3	61.6
[5 -1 -4]	(1 5 0)	(1 -7 3)	1.730	1.166	1.48	41.9	33.6
[5 -1 5]	(1 5 0)	(3 -5 -4)	1.730	1.165	1.49	66.1	32.6
[15 -3 2]	(1 5 0)	(1 7 3)	1.730	1.158	1.49	21.6	85.1
[5 -1 4]	(1 5 0)	(4 0 -5)	1.730	1.157	1.50	75.0	39.2
[15 -3 -20]	(1 5 0)	(4 0 3)	1.730	1.146	1.51	71.7	22.5
[5 -1 16]	(1 5 0)	(4 4 -1)	1.730	1.145	1.51	40.9	10.6
[5 -1 -8]	(1 5 0)	(0 8 -1)	1.730	1.139	1.52	21.5	19.2
[5 -1 2]	(1 5 0)	(3 1 -7)	1.730	1.139	1.52	73.4	61.6
[10 -2 -1]	(1 5 0)	(1 7 -4)	1.730	1.138	1.52	30.3	72.7
[15 -3 -5]	(1 5 0)	(1 -5 6)	1.730	1.135	1.52	62.0	54.6
[20 -4 -1]	(1 5 0)	(0 2 -8)	1.730	1.135	1.52	79.8	77.2
[20 -4 5]	(1 5 0)	(2 0 -8)	1.730	1.133	1.53	84.9	74.1
[15 -3 -20]	(1 5 0)	(3 -5 3)	1.730	1.132	1.53	69.8	22.5
[5 -1 3]	(1 5 0)	(1 -7 -4)	1.730	1.131	1.53	39.6	48.6
[20 -4 1]	(1 5 0)	(0 2 8)	1.730	1.130	1.53	73.2	86.8
[5 -1 0]	(1 5 0)	(1 5 6)	1.730	1.126	1.54	46.2	82.0
[15 -3 -10]	(1 5 0)	(3 5 3)	1.730	1.126	1.54	35.4	38.1
[15 -3 16]	(1 5 0)	(4 4 -3)	1.730	1.116	1.55	43.7	30.8
[5 -1 8]	(1 5 0)	(4 -4 -3)	1.730	1.115	1.55	78.7	21.1
[5 -1 -6]	(1 5 0)	(4 2 3)	1.730	1.110	1.56	57.9	24.6
[5 -1 -16]	(1 5 0)	(4 4 1)	1.730	1.108	1.56	41.8	10.2
[5 -1 2]	(1 5 0)	(2 -4 -7)	1.730	1.108	1.56	68.7	61.6
[5 -1 2]	(1 5 0)	(3 5 -5)	1.730	1.107	1.56	41.7	61.6
[15 -3 -7]	(1 5 0)	(2 -4 6)	1.730	1.107	1.56	74.1	46.9
[5 -1 -3]	(1 5 0)	(1 -7 4)	1.730	1.104	1.57	45.8	40.7
[20 -4 1]	(1 5 0)	(1 3 -8)	1.730	1.103	1.57	69.1	86.8
[5 -1 4]	(1 5 0)	(3 -5 -5)	1.730	1.103	1.57	67.0	39.2
[5 -1 -1]	(1 5 0)	(2 4 6)	1.730	1.099	1.57	50.7	64.3
[20 -4 -3]	(1 5 0)	(1 -1 8)	1.730	1.099	1.57	89.4	68.3
[5 -1 1]	(1 5 0)	(1 -3 -8)	1.730	1.097	1.58	71.2	78.7
[10 -2 -1]	(1 5 0)	(1 1 8)	1.730	1.097	1.58	76.3	72.7
[10 -2 1]	(1 5 0)	(1 7 4)	1.730	1.096	1.58	27.6	88.3
[5 -1 0]	(1 5 0)	(1 5 -7)	1.730	1.088	1.59	54.4	82.0
[15 -3 -8]	(1 5 0)	(0 8 -3)	1.730	1.079	1.60	29.8	43.6
[15 -3 -8]	(1 5 0)	(3 -1 6)	1.730	1.077	1.61	82.2	43.6
[15 -3 -7]	(1 5 0)	(3 1 6)	1.730	1.075	1.61	69.1	46.9
[15 -3 8]	(1 5 0)	(0 8 3)	1.730	1.073	1.61	25.4	52.4
[5 -1 -5]	(1 5 0)	(3 -5 4)	1.730	1.067	1.62	71.4	28.5
[10 -2 -5]	(1 5 0)	(3 5 4)	1.730	1.061	1.63	39.2	45.2
[5 -1 3]	(1 5 0)	(4 2 -6)	1.730	1.057	1.64	63.4	48.6
[15 -3 11]	(1 5 0)	(4 -2 -6)	1.730	1.056	1.64	89.3	42.0
[0 0 1]	(1 5 0)	(2 -8 0)	1.730	1.051	1.65	43.0	0.0
[5 -1 18]	(1 5 0)	(2 -8 -1)	1.730	1.051	1.65	42.5	9.4

Talc-Triclinic (150) 277 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$
[0 0 1]	(1 5 0)	(3 -7 0)	1.730	1.049	1.65	56.3	0.0
[5 -1 13]	(1 5 0)	(5 -1 -2)	1.730	1.048	1.65	77.7	13.1
[5 -1 12]	(1 5 0)	(5 1 -2)	1.730	1.048	1.65	64.6	14.2
[10 -2 -11]	(1 5 0)	(4 -2 4)	1.730	1.047	1.65	85.6	26.4
[10 -2 -9]	(1 5 0)	(4 2 4)	1.730	1.044	1.66	59.5	30.8
[5 -1 -1]	(1 5 0)	(1 -3 8)	1.730	1.043	1.66	78.2	64.3
[5 -1 4]	(1 5 0)	(3 7 -2)	1.730	1.043	1.66	20.4	39.2
[5 -1 11]	(1 5 0)	(3 -7 -2)	1.730	1.042	1.66	55.7	15.4
[15 -3 2]	(1 5 0)	(1 -1 -9)	1.730	1.042	1.66	84.3	85.1
[15 -3 5]	(1 5 0)	(3 5 -6)	1.730	1.041	1.66	45.9	66.9
[20 -4 7]	(1 5 0)	(3 1 -8)	1.730	1.041	1.66	75.2	65.5
[0 0 1]	(1 5 0)	(5 -1 0)	1.730	1.039	1.66	77.0	0.0
[5 -1 2]	(1 5 0)	(3 -1 -8)	1.730	1.039	1.66	87.7	61.6
[0 0 1]	(1 5 0)	(5 1 0)	1.730	1.039	1.66	64.0	0.0
[5 -1 -18]	(1 5 0)	(2 -8 1)	1.730	1.038	1.67	44.3	9.1
[5 -1 9]	(1 5 0)	(2 -8 -2)	1.730	1.037	1.67	42.7	18.8
[20 -4 -1]	(1 5 0)	(1 3 8)	1.730	1.037	1.67	64.1	77.2
[15 -3 10]	(1 5 0)	(3 -5 -6)	1.730	1.036	1.67	68.1	45.1
[5 -1 8]	(1 5 0)	(5 1 -3)	1.730	1.033	1.67	65.4	21.1
[5 -1 0]	(1 5 0)	(1 5 7)	1.730	1.029	1.68	50.3	82.0
[5 -1 -8]	(1 5 0)	(4 -4 3)	1.730	1.027	1.68	81.9	19.2
[15 -3 -16]	(1 5 0)	(4 4 3)	1.730	1.023	1.69	45.5	27.0
[15 -3 8]	(1 5 0)	(3 7 -3)	1.730	1.022	1.69	24.1	52.4
[20 -4 3]	(1 5 0)	(2 4 -8)	1.730	1.018	1.70	60.1	83.5
[5 -1 -9]	(1 5 0)	(2 -8 2)	1.730	1.014	1.71	46.1	17.3
[20 -4 7]	(1 5 0)	(2 -4 -8)	1.730	1.013	1.71	70.3	65.5
[5 -1 6]	(1 5 0)	(2 -8 -3)	1.730	1.012	1.71	43.7	27.7
[5 -1 -2]	(1 5 0)	(2 -4 7)	1.730	1.012	1.71	75.9	50.5
[20 -4 -5]	(1 5 0)	(2 0 8)	1.730	1.012	1.71	79.7	60.4
[5 -1 6]	(1 5 0)	(5 1 -4)	1.730	1.007	1.72	66.4	27.7
[10 -2 13]	(1 5 0)	(5 -1 -4)	1.730	1.007	1.72	78.9	25.7
[15 -3 -1]	(1 5 0)	(1 7 -6)	1.730	1.007	1.72	41.2	75.7
[5 -1 -11]	(1 5 0)	(3 -7 2)	1.730	1.005	1.72	58.7	14.4
[5 -1 -4]	(1 5 0)	(4 0 5)	1.730	1.003	1.72	73.3	33.6
[5 -1 -4]	(1 5 0)	(3 -5 5)	1.730	1.001	1.73	73.0	33.6
[0 0 1]	(1 5 0)	(1 -9 0)	1.730	1.001	1.73	30.3	0.0
[5 -1 -4]	(1 5 0)	(3 7 2)	1.730	1.000	1.73	22.5	33.6

Talc-Triclinic (240) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[2 -1 0]	(2 4 0)	(0 0 1)	1.722	9.351	0.18	83.9	83.8
[0 0 1]	(2 4 0)	(0 2 0)	1.722	4.586	0.38	41.2	0.0
[0 0 1]	(2 4 0)	(1 -1 0)	1.722	4.548	0.38	78.4	0.0
[2 -1 1]	(2 4 0)	(1 1 -1)	1.722	4.318	0.40	31.7	60.3
[2 -1 3]	(2 4 0)	(1 -1 -1)	1.722	4.312	0.40	81.8	27.4
[2 -1 -2]	(2 4 0)	(0 2 -1)	1.722	4.131	0.42	50.9	34.3
[2 -1 2]	(2 4 0)	(0 2 1)	1.722	4.104	0.42	44.0	38.6
[2 -1 -3]	(2 4 0)	(1 -1 1)	1.722	3.900	0.44	77.5	25.0
[2 -1 -1]	(2 4 0)	(1 1 1)	1.722	3.882	0.44	31.5	51.8
[4 -2 1]	(2 4 0)	(1 1 -2)	1.722	3.501	0.49	49.4	77.0
[4 -2 3]	(2 4 0)	(1 -1 -2)	1.722	3.490	0.49	85.7	47.7
[2 -1 -1]	(2 4 0)	(0 2 -2)	1.722	3.288	0.52	62.3	51.8
[2 -1 1]	(2 4 0)	(0 2 2)	1.722	3.261	0.53	52.5	60.3
[4 -2 -3]	(2 4 0)	(1 -1 2)	1.722	3.071	0.56	78.2	41.6
[4 -2 -1]	(2 4 0)	(1 1 2)	1.722	3.057	0.56	45.1	65.8
[6 -3 1]	(2 4 0)	(1 1 -3)	1.722	2.748	0.63	61.3	83.3
[2 -1 1]	(2 4 0)	(1 -1 -3)	1.722	2.739	0.63	88.4	60.3
[0 0 1]	(2 4 0)	(1 -3 0)	1.722	2.643	0.65	71.5	0.0
[2 -1 4]	(2 4 0)	(2 0 -1)	1.722	2.623	0.66	50.7	20.9
[0 0 1]	(2 4 0)	(2 0 0)	1.722	2.615	0.66	48.7	0.0
[2 -1 -1]	(2 4 0)	(1 3 -1)	1.722	2.594	0.66	20.4	51.8
[2 -1 5]	(2 4 0)	(1 -3 -1)	1.722	2.590	0.66	70.1	16.9
[6 -3 -2]	(2 4 0)	(0 2 -3)	1.722	2.588	0.67	70.3	60.7
[6 -3 2]	(2 4 0)	(0 2 3)	1.722	2.568	0.67	59.4	71.0
[2 -1 -5]	(2 4 0)	(1 -3 1)	1.722	2.498	0.69	74.3	16.0
[2 -1 2]	(2 4 0)	(2 0 -2)	1.722	2.445	0.70	55.8	38.6
[2 -1 -1]	(2 4 0)	(1 -1 3)	1.722	2.431	0.71	79.0	51.8
[2 -1 -4]	(2 4 0)	(2 0 1)	1.722	2.425	0.71	50.2	19.5
[6 -3 -1]	(2 4 0)	(1 1 3)	1.722	2.421	0.71	54.1	71.4
[4 -2 -1]	(2 4 0)	(1 3 -2)	1.722	2.383	0.72	33.5	65.8
[4 -2 5]	(2 4 0)	(1 -3 -2)	1.722	2.372	0.73	70.3	32.1
[2 -1 6]	(2 4 0)	(2 -2 -1)	1.722	2.277	0.76	79.9	14.1
[2 -1 2]	(2 4 0)	(2 2 -1)	1.722	2.276	0.76	22.6	38.6
[4 -2 -5]	(2 4 0)	(1 -3 2)	1.722	2.235	0.77	77.4	29.0
[2 -1 -4]	(2 4 0)	(0 4 -1)	1.722	2.231	0.77	45.0	19.5
[2 -1 4]	(2 4 0)	(0 4 1)	1.722	2.223	0.77	41.0	20.9
[4 -2 1]	(2 4 0)	(1 3 2)	1.722	2.219	0.78	28.8	77.0
[8 -4 1]	(2 4 0)	(1 1 -4)	1.722	2.203	0.78	68.9	86.5
[8 -4 3]	(2 4 0)	(1 -1 -4)	1.722	2.196	0.78	89.9	68.2
[6 -3 4]	(2 4 0)	(2 0 -3)	1.722	2.171	0.79	61.6	51.4
[2 -1 -2]	(2 4 0)	(2 0 2)	1.722	2.148	0.80	53.8	34.3
[2 -1 -6]	(2 4 0)	(2 -2 1)	1.722	2.148	0.80	77.6	13.5
[2 -1 -2]	(2 4 0)	(2 2 1)	1.722	2.140	0.80	23.7	34.3
[6 -3 -1]	(2 4 0)	(1 3 -3)	1.722	2.101	0.82	44.7	71.4
[4 -2 -1]	(2 4 0)	(0 2 -4)	1.722	2.090	0.82	75.6	65.8
[6 -3 5]	(2 4 0)	(1 -3 -3)	1.722	2.088	0.82	71.3	44.3
[4 -2 1]	(2 4 0)	(0 2 4)	1.722	2.076	0.83	64.3	77.0
[8 -4 -3]	(2 4 0)	(1 -1 4)	1.722	1.979	0.87	79.8	58.3

Talc-Triclinic (240) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[8 -4 -1]	(2 4 0)	(1 1 4)	1.722	1.973	0.87	60.0	74.4
[6 -3 2]	(2 4 0)	(2 2 -3)	1.722	1.965	0.88	41.2	71.0
[2 -1 2]	(2 4 0)	(2 -2 -3)	1.722	1.960	0.88	83.9	38.6
[6 -3 -5]	(2 4 0)	(1 -3 3)	1.722	1.950	0.88	80.3	38.9
[6 -3 1]	(2 4 0)	(1 3 3)	1.722	1.935	0.89	38.2	83.3
[2 -1 1]	(2 4 0)	(2 0 -4)	1.722	1.890	0.91	66.9	60.3
[6 -3 -4]	(2 4 0)	(2 0 3)	1.722	1.869	0.92	57.6	44.6
[6 -3 -4]	(2 4 0)	(0 4 -3)	1.722	1.855	0.93	56.9	44.6
[6 -3 4]	(2 4 0)	(0 4 3)	1.722	1.840	0.94	48.2	51.4
[8 -4 -1]	(2 4 0)	(1 3 -4)	1.722	1.826	0.94	53.3	74.4
[10 -5 1]	(2 4 0)	(1 1 -5)	1.722	1.818	0.95	74.0	88.5
[8 -4 5]	(2 4 0)	(1 -3 -4)	1.722	1.814	0.95	72.6	53.5
[10 -5 3]	(2 4 0)	(1 -1 -5)	1.722	1.813	0.95	88.7	73.4
[10 -5 -2]	(2 4 0)	(0 2 -5)	1.722	1.737	0.99	79.2	69.2
[2 -1 -2]	(2 4 0)	(2 -2 3)	1.722	1.735	0.99	77.7	34.3
[0 0 1]	(2 4 0)	(1 -5 0)	1.722	1.733	0.99	60.5	0.0
[2 -1 7]	(2 4 0)	(3 -1 -1)	1.722	1.731	0.99	60.4	12.1
[2 -1 5]	(2 4 0)	(3 1 -1)	1.722	1.730	1.00	38.9	16.9
[0 0 1]	(2 4 0)	(1 5 0)	1.722	1.730	1.00	21.9	0.0
[10 -5 2]	(2 4 0)	(0 2 5)	1.722	1.727	1.00	67.6	80.8
[2 -1 8]	(2 4 0)	(2 -4 -1)	1.722	1.727	1.00	81.4	10.6
[6 -3 -2]	(2 4 0)	(2 2 3)	1.722	1.727	1.00	38.9	60.7
[0 0 1]	(2 4 0)	(2 -4 0)	1.722	1.726	1.00	82.5	0.0
[2 -1 -3]	(2 4 0)	(1 5 -1)	1.722	1.719	1.00	25.5	25.0
[2 -1 7]	(2 4 0)	(1 -5 -1)	1.722	1.717	1.00	59.5	12.1
[0 0 1]	(2 4 0)	(3 -1 0)	1.722	1.713	1.00	59.4	0.0
[0 0 1]	(2 4 0)	(3 1 0)	1.722	1.712	1.01	37.9	0.0
[8 -4 -5]	(2 4 0)	(1 -3 4)	1.722	1.694	1.02	82.7	46.3
[4 -2 5]	(2 4 0)	(3 1 -2)	1.722	1.691	1.02	42.1	32.1
[4 -2 7]	(2 4 0)	(3 -1 -2)	1.722	1.691	1.02	62.4	23.7
[2 -1 -7]	(2 4 0)	(1 -5 1)	1.722	1.691	1.02	62.5	11.7
[2 -1 3]	(2 4 0)	(1 5 1)	1.722	1.683	1.02	22.7	27.4
[8 -4 1]	(2 4 0)	(1 3 4)	1.722	1.681	1.02	45.4	86.5
[2 -1 0]	(2 4 0)	(2 4 -2)	1.722	1.674	1.03	20.9	83.8
[2 -1 4]	(2 4 0)	(2 -4 -2)	1.722	1.671	1.03	80.6	20.9
[2 -1 -8]	(2 4 0)	(2 -4 1)	1.722	1.670	1.03	83.8	10.3
[10 -5 -3]	(2 4 0)	(1 -1 5)	1.722	1.657	1.04	80.4	62.7
[4 -2 -3]	(2 4 0)	(1 5 -2)	1.722	1.654	1.04	31.8	41.6
[10 -5 -1]	(2 4 0)	(1 1 5)	1.722	1.652	1.04	64.1	76.2
[4 -2 7]	(2 4 0)	(1 -5 -2)	1.722	1.647	1.05	59.7	23.7
[2 -1 -7]	(2 4 0)	(3 -1 1)	1.722	1.643	1.05	59.6	11.7
[10 -5 4]	(2 4 0)	(2 0 -5)	1.722	1.643	1.05	71.2	66.5
[2 -1 -5]	(2 4 0)	(3 1 1)	1.722	1.641	1.05	39.2	16.0
[2 -1 -1]	(2 4 0)	(2 0 4)	1.722	1.625	1.06	61.1	51.8
[6 -3 5]	(2 4 0)	(3 1 -3)	1.722	1.605	1.07	46.7	44.3
[6 -3 7]	(2 4 0)	(3 -1 -3)	1.722	1.604	1.07	65.0	34.1
[4 -2 -7]	(2 4 0)	(1 -5 2)	1.722	1.603	1.07	65.2	22.0
[4 -2 3]	(2 4 0)	(1 5 2)	1.722	1.593	1.08	27.1	47.7

Talc-Triclinic (240) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[10 -5 -1]	(2 4 0)	(1 3 -5)	1.722	1.589	1.08	59.9	76.2
[2 -1 0]	(2 4 0)	(2 4 -3)	1.722	1.579	1.09	30.3	83.8
[2 -1 1]	(2 4 0)	(1 -3 -5)	1.722	1.579	1.09	73.8	60.3
[6 -3 8]	(2 4 0)	(2 -4 -3)	1.722	1.574	1.09	80.1	30.4
[2 -1 -4]	(2 4 0)	(2 -4 2)	1.722	1.573	1.09	85.2	19.5
[2 -1 -1]	(2 4 0)	(1 5 -3)	1.722	1.551	1.11	38.8	51.8
[10 -5 2]	(2 4 0)	(2 2 -5)	1.722	1.550	1.11	56.1	80.8
[10 -5 6]	(2 4 0)	(2 -2 -5)	1.722	1.544	1.12	87.2	54.8
[6 -3 7]	(2 4 0)	(1 -5 -3)	1.722	1.542	1.12	60.6	34.1
[12 -6 1]	(2 4 0)	(1 1 -6)	1.722	1.539	1.12	77.5	89.8
[4 -2 -7]	(2 4 0)	(3 -1 2)	1.722	1.538	1.12	60.6	22.0
[4 -2 1]	(2 4 0)	(1 -1 -6)	1.722	1.536	1.12	87.9	77.0
[4 -2 -5]	(2 4 0)	(3 1 2)	1.722	1.535	1.12	42.1	29.0
[2 -1 9]	(2 4 0)	(3 -3 -1)	1.722	1.528	1.13	79.3	9.4
[2 -1 3]	(2 4 0)	(3 3 -1)	1.722	1.526	1.13	20.5	27.4
[2 -1 -6]	(2 4 0)	(0 6 -1)	1.722	1.511	1.14	43.4	13.5
[2 -1 6]	(2 4 0)	(0 6 1)	1.722	1.507	1.14	40.6	14.1
[4 -2 3]	(2 4 0)	(3 3 -2)	1.722	1.500	1.15	25.4	47.7
[4 -2 9]	(2 4 0)	(3 -3 -2)	1.722	1.499	1.15	80.5	18.7
[8 -4 5]	(2 4 0)	(3 1 -4)	1.722	1.492	1.15	51.7	53.5
[8 -4 7]	(2 4 0)	(3 -1 -4)	1.722	1.490	1.16	68.0	42.8
[6 -3 -7]	(2 4 0)	(1 -5 3)	1.722	1.488	1.16	68.2	30.6
[6 -3 -1]	(2 4 0)	(0 2 -6)	1.722	1.479	1.16	81.8	71.4
[2 -1 -1]	(2 4 0)	(1 -3 5)	1.722	1.479	1.16	84.6	51.8
[2 -1 1]	(2 4 0)	(1 5 3)	1.722	1.477	1.17	32.6	60.3
[6 -3 1]	(2 4 0)	(0 2 6)	1.722	1.472	1.17	70.0	83.3
[10 -5 1]	(2 4 0)	(1 3 5)	1.722	1.469	1.17	50.9	88.5
[2 -1 -9]	(2 4 0)	(3 -3 1)	1.722	1.467	1.17	77.8	9.2
[2 -1 -3]	(2 4 0)	(3 3 1)	1.722	1.462	1.18	21.5	25.0
[2 -1 0]	(2 4 0)	(2 4 -4)	1.722	1.462	1.18	38.5	83.8
[2 -1 -3]	(2 4 0)	(0 6 -2)	1.722	1.457	1.18	46.8	25.0
[2 -1 2]	(2 4 0)	(2 -4 -4)	1.722	1.455	1.18	79.9	38.6
[10 -5 -4]	(2 4 0)	(0 4 -5)	1.722	1.455	1.18	66.7	56.9
[6 -3 -8]	(2 4 0)	(2 -4 3)	1.722	1.454	1.18	86.5	27.6
[2 -1 3]	(2 4 0)	(0 6 2)	1.722	1.450	1.19	41.7	27.4
[2 -1 0]	(2 4 0)	(2 4 3)	1.722	1.444	1.19	27.4	83.8
[10 -5 4]	(2 4 0)	(0 4 5)	1.722	1.444	1.19	56.3	66.5
[6 -3 2]	(2 4 0)	(2 0 -6)	1.722	1.438	1.20	74.6	71.0
[8 -4 -3]	(2 4 0)	(1 5 -4)	1.722	1.430	1.20	45.3	58.3
[10 -5 -4]	(2 4 0)	(2 0 5)	1.722	1.423	1.21	63.9	56.9
[8 -4 7]	(2 4 0)	(1 -5 -4)	1.722	1.421	1.21	62.1	42.8
[4 -2 -1]	(2 4 0)	(1 -1 6)	1.722	1.420	1.21	80.8	65.8
[12 -6 -1]	(2 4 0)	(1 1 6)	1.722	1.416	1.22	67.0	77.5
[6 -3 -7]	(2 4 0)	(3 -1 3)	1.722	1.416	1.22	62.1	30.6
[6 -3 -5]	(2 4 0)	(3 1 3)	1.722	1.414	1.22	45.6	38.9
[12 -6 -1]	(2 4 0)	(1 3 -6)	1.722	1.393	1.24	64.9	77.5
[4 -2 -9]	(2 4 0)	(3 -3 2)	1.722	1.391	1.24	77.5	17.6
[4 -2 -3]	(2 4 0)	(3 3 2)	1.722	1.385	1.24	26.2	41.6

Talc-Triclinic (240) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[12 -6 5]	(2 4 0)	(1 -3 -6)	1.722	1.385	1.24	74.9	65.4
[2 -1 1]	(2 4 0)	(3 1 -5)	1.722	1.369	1.26	56.4	60.3
[10 -5 7]	(2 4 0)	(3 -1 -5)	1.722	1.367	1.26	70.8	49.9
[8 -4 -7]	(2 4 0)	(1 -5 4)	1.722	1.365	1.26	71.0	37.7
[10 -5 -6]	(2 4 0)	(2 -2 5)	1.722	1.362	1.26	78.6	47.3
[8 -4 3]	(2 4 0)	(3 3 -4)	1.722	1.356	1.27	38.1	68.2
[10 -5 -2]	(2 4 0)	(2 2 5)	1.722	1.356	1.27	50.1	69.2
[8 -4 3]	(2 4 0)	(1 5 4)	1.722	1.354	1.27	38.1	68.2
[8 -4 9]	(2 4 0)	(3 -3 -4)	1.722	1.353	1.27	83.2	35.1
[2 -1 0]	(2 4 0)	(2 4 -5)	1.722	1.339	1.29	45.4	83.8
[10 -5 8]	(2 4 0)	(2 -4 -5)	1.722	1.332	1.29	79.9	45.6
[14 -7 1]	(2 4 0)	(1 1 -7)	1.722	1.331	1.29	80.1	89.3
[2 -1 -2]	(2 4 0)	(2 -4 4)	1.722	1.331	1.29	87.7	34.3
[14 -7 3]	(2 4 0)	(1 -1 -7)	1.722	1.328	1.30	87.4	79.7
[2 -1 8]	(2 4 0)	(4 0 -1)	1.722	1.322	1.30	49.2	10.6
[2 -1 0]	(2 4 0)	(2 4 4)	1.722	1.321	1.30	34.2	83.8
[2 -1 10]	(2 4 0)	(2 -6 -1)	1.722	1.321	1.30	70.6	8.4
[12 -6 -5]	(2 4 0)	(1 -3 6)	1.722	1.304	1.32	86.1	56.0
[10 -5 7]	(2 4 0)	(1 -5 -5)	1.722	1.299	1.33	63.8	49.9
[2 -1 -10]	(2 4 0)	(2 -6 1)	1.722	1.296	1.33	72.8	8.3
[12 -6 1]	(2 4 0)	(1 3 6)	1.722	1.295	1.33	55.2	89.8
[8 -4 -7]	(2 4 0)	(3 -1 4)	1.722	1.294	1.33	63.7	37.7
[8 -4 -5]	(2 4 0)	(3 1 4)	1.722	1.292	1.33	49.2	46.3
[14 -7 -2]	(2 4 0)	(0 2 -7)	1.722	1.285	1.34	83.7	73.1
[4 -2 -3]	(2 4 0)	(0 6 -4)	1.722	1.284	1.34	55.0	41.6
[14 -7 2]	(2 4 0)	(0 2 7)	1.722	1.280	1.35	71.9	85.2
[6 -3 8]	(2 4 0)	(4 0 -3)	1.722	1.276	1.35	53.0	30.4
[4 -2 3]	(2 4 0)	(0 6 4)	1.722	1.275	1.35	46.8	47.7
[0 0 1]	(2 4 0)	(1 -7 0)	1.722	1.272	1.35	55.3	0.0
[2 -1 11]	(2 4 0)	(3 -5 -1)	1.722	1.272	1.35	86.9	7.7
[2 -1 10]	(2 4 0)	(4 -2 -1)	1.722	1.271	1.35	65.2	8.4
[0 0 1]	(2 4 0)	(1 7 0)	1.722	1.270	1.36	27.1	0.0
[2 -1 6]	(2 4 0)	(4 2 -1)	1.722	1.270	1.36	33.3	14.1
[14 -7 4]	(2 4 0)	(2 0 -7)	1.722	1.270	1.36	77.3	74.4
[2 -1 -8]	(2 4 0)	(4 0 1)	1.722	1.269	1.36	49.1	10.3
[2 -1 -5]	(2 4 0)	(1 7 -1)	1.722	1.266	1.36	29.2	16.0
[0 0 11]	(2 4 0)	(3 -5 0)	1.722	1.265	1.36	87.7	0.0
[2 -1 9]	(2 4 0)	(1 -7 -1)	1.722	1.265	1.36	54.5	9.4
[10 -5 3]	(2 4 0)	(3 3 -5)	1.722	1.262	1.36	44.1	73.4
[2 -1 5]	(2 4 0)	(4 -2 -2)	1.722	1.261	1.37	66.3	16.9
[2 -1 3]	(2 4 0)	(4 2 -2)	1.722	1.261	1.37	35.4	27.4
[10 -5 9]	(2 4 0)	(3 -3 -5)	1.722	1.259	1.37	84.5	41.9
[0 0 1]	(2 4 0)	(4 -2 0)	1.722	1.258	1.37	64.6	0.0
[6 -3 -2]	(2 4 0)	(2 0 6)	1.722	1.258	1.37	66.2	60.7
[0 0 1]	(2 4 0)	(4 2 0)	1.722	1.256	1.37	32.8	0.0
[2 -1 -9]	(2 4 0)	(1 -7 1)	1.722	1.256	1.37	56.7	9.2
[4 -2 11]	(2 4 0)	(3 -5 -2)	1.722	1.255	1.37	86.1	15.4
[6 -3 -2]	(2 4 0)	(2 6 -3)	1.722	1.252	1.38	27.1	60.7

Talc-Triclinic (240) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[2 -1 5]	(2 4 0)	(1 7 1)	1.722	1.251	1.38	27.0	16.9
[12 -6 5]	(2 4 0)	(3 1 -6)	1.722	1.249	1.38	60.6	65.4
[6 -3 10]	(2 4 0)	(2 -6 -3)	1.722	1.248	1.38	70.0	24.8
[12 -6 7]	(2 4 0)	(3 -1 -6)	1.722	1.248	1.38	73.4	55.6
[10 -5 -7]	(2 4 0)	(1 -5 5)	1.722	1.245	1.38	73.5	43.4
[4 -2 -5]	(2 4 0)	(1 7 -2)	1.722	1.240	1.39	32.8	29.0
[14 -7 -3]	(2 4 0)	(1 -1 7)	1.722	1.240	1.39	81.2	68.2
[14 -7 -1]	(2 4 0)	(1 1 7)	1.722	1.237	1.39	69.2	78.3
[2 -1 -11]	(2 4 0)	(3 -5 1)	1.722	1.237	1.39	88.6	7.6
[4 -2 9]	(2 4 0)	(1 -7 -2)	1.722	1.236	1.39	54.4	18.7
[10 -5 3]	(2 4 0)	(1 5 5)	1.722	1.235	1.39	42.9	73.4
[14 -7 -1]	(2 4 0)	(1 3 -7)	1.722	1.234	1.40	68.8	78.3
[2 -1 2]	(2 4 0)	(4 2 -3)	1.722	1.230	1.40	38.6	38.6
[6 -3 10]	(2 4 0)	(4 -2 -3)	1.722	1.229	1.40	67.8	24.8
[14 -7 5]	(2 4 0)	(1 -3 -7)	1.722	1.227	1.40	75.9	69.4
[14 -7 2]	(2 4 0)	(2 2 -7)	1.722	1.226	1.40	65.5	85.2
[2 -1 -10]	(2 4 0)	(4 -2 1)	1.722	1.224	1.41	64.4	8.3
[14 -7 6]	(2 4 0)	(2 -2 -7)	1.722	1.222	1.41	89.3	64.7
[2 -1 -6]	(2 4 0)	(4 2 1)	1.722	1.222	1.41	33.7	13.5
[2 -1 0]	(2 4 0)	(2 4 -6)	1.722	1.221	1.41	51.2	83.8
[6 -3 1]	(2 4 0)	(3 5 -3)	1.722	1.219	1.41	22.9	83.3
[4 -2 -9]	(2 4 0)	(1 -7 2)	1.722	1.219	1.41	58.8	17.6
[6 -3 11]	(2 4 0)	(3 -5 -3)	1.722	1.217	1.41	85.4	22.7
[6 -3 4]	(2 4 0)	(2 -4 -6)	1.722	1.215	1.42	80.0	51.4
[10 -5 -8]	(2 4 0)	(2 -4 5)	1.722	1.213	1.42	88.7	39.9
[4 -2 5]	(2 4 0)	(1 7 2)	1.722	1.212	1.42	28.8	32.1
[2 -1 0]	(2 4 0)	(2 4 5)	1.722	1.205	1.43	39.8	83.8
[8 -4 -9]	(2 4 0)	(3 -3 4)	1.722	1.204	1.43	77.6	31.5
[8 -4 -3]	(2 4 0)	(3 3 4)	1.722	1.198	1.44	36.6	58.3
[6 -3 -5]	(2 4 0)	(1 7 -3)	1.722	1.195	1.44	37.2	38.9
[4 -2 -1]	(2 4 0)	(1 5 -6)	1.722	1.193	1.44	56.0	65.8
[4 -2 -11]	(2 4 0)	(3 -5 2)	1.722	1.191	1.45	89.4	14.6
[2 -1 3]	(2 4 0)	(1 -7 -3)	1.722	1.190	1.45	55.0	27.4
[10 -5 -6]	(2 4 0)	(0 6 -5)	1.722	1.188	1.45	58.8	47.3
[6 -3 -10]	(2 4 0)	(2 -6 3)	1.722	1.187	1.45	75.9	22.9
[10 -5 -7]	(2 4 0)	(3 -1 5)	1.722	1.180	1.46	65.4	43.4
[6 -3 2]	(2 4 0)	(2 6 3)	1.722	1.179	1.46	23.3	71.0
[10 -5 6]	(2 4 0)	(0 6 5)	1.722	1.179	1.46	49.7	54.8
[2 -1 -1]	(2 4 0)	(3 1 5)	1.722	1.178	1.46	52.4	51.8
[2 -1 -5]	(2 4 0)	(4 -2 2)	1.722	1.174	1.47	64.7	16.0
[2 -1 -3]	(2 4 0)	(4 2 2)	1.722	1.171	1.47	35.9	25.0
[16 -8 1]	(2 4 0)	(1 1 -8)	1.722	1.171	1.47	82.1	88.6
[16 -8 3]	(2 4 0)	(1 -1 -8)	1.722	1.169	1.47	86.9	81.7
[8 -4 1]	(2 4 0)	(3 5 -4)	1.722	1.168	1.47	29.7	86.5
[4 -2 1]	(2 4 0)	(3 3 -6)	1.722	1.167	1.48	49.4	77.0
[2 -1 -3]	(2 4 0)	(1 -7 3)	1.722	1.166	1.48	61.1	25.0
[8 -4 11]	(2 4 0)	(3 -5 -4)	1.722	1.165	1.48	84.9	29.6
[14 -7 -5]	(2 4 0)	(1 -3 7)	1.722	1.160	1.48	87.3	59.3

Talc-Triclinic (240) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[14 -7 -4]	(2 4 0)	(0 4 -7)	1.722	1.159	1.49	73.2	63.6
[6 -3 5]	(2 4 0)	(1 7 3)	1.722	1.158	1.49	31.7	44.3
[10 -5 8]	(2 4 0)	(4 0 -5)	1.722	1.157	1.49	58.7	45.6
[14 -7 1]	(2 4 0)	(1 3 7)	1.722	1.154	1.49	58.6	89.3
[14 -7 4]	(2 4 0)	(0 4 7)	1.722	1.150	1.50	62.1	74.4
[2 -1 12]	(2 4 0)	(4 -4 -1)	1.722	1.146	1.50	79.0	7.0
[6 -3 -8]	(2 4 0)	(4 0 3)	1.722	1.146	1.50	51.9	27.6
[2 -1 -8]	(2 4 0)	(0 8 -1)	1.722	1.139	1.51	42.7	10.3
[14 -7 5]	(2 4 0)	(3 1 -7)	1.722	1.139	1.51	64.2	69.4
[8 -4 -5]	(2 4 0)	(1 7 -4)	1.722	1.138	1.51	41.8	46.3
[2 -1 1]	(2 4 0)	(3 -1 -7)	1.722	1.138	1.51	75.7	60.3
[2 -1 8]	(2 4 0)	(0 8 1)	1.722	1.137	1.51	40.6	10.6
[12 -6 -7]	(2 4 0)	(1 -5 6)	1.722	1.135	1.52	75.8	48.0
[8 -4 -1]	(2 4 0)	(0 2 -8)	1.722	1.135	1.52	85.2	74.4
[4 -2 1]	(2 4 0)	(2 0 -8)	1.722	1.133	1.52	79.4	77.0
[6 -3 -11]	(2 4 0)	(3 -5 3)	1.722	1.132	1.52	89.8	21.1
[8 -4 9]	(2 4 0)	(1 -7 -4)	1.722	1.131	1.52	56.1	35.1
[8 -4 1]	(2 4 0)	(0 2 8)	1.722	1.130	1.52	73.3	86.5
[4 -2 1]	(2 4 0)	(1 5 6)	1.722	1.126	1.53	47.1	77.0
[6 -3 -1]	(2 4 0)	(3 5 3)	1.722	1.126	1.53	22.1	71.4
[14 -7 -4]	(2 4 0)	(2 0 7)	1.722	1.123	1.53	68.1	63.6
[10 -5 -2]	(2 4 0)	(2 6 -5)	1.722	1.122	1.53	39.4	69.2
[10 -5 6]	(2 4 0)	(4 2 -5)	1.722	1.122	1.53	46.5	54.8
[2 -1 2]	(2 4 0)	(4 -2 -5)	1.722	1.121	1.54	71.4	38.6
[6 -3 4]	(2 4 0)	(4 4 -3)	1.722	1.116	1.54	26.9	51.4
[2 -1 4]	(2 4 0)	(4 -4 -3)	1.722	1.115	1.54	80.8	20.9
[2 -1 0]	(2 4 0)	(2 4 -7)	1.722	1.114	1.55	56.0	83.8
[6 -3 -10]	(2 4 0)	(4 -2 3)	1.722	1.113	1.55	65.3	22.9
[2 -1 -12]	(2 4 0)	(4 -4 1)	1.722	1.112	1.55	77.9	7.0
[10 -5 -9]	(2 4 0)	(3 -3 5)	1.722	1.111	1.55	77.9	36.9
[2 -1 -2]	(2 4 0)	(4 2 3)	1.722	1.110	1.55	38.7	34.3
[2 -1 -4]	(2 4 0)	(4 4 1)	1.722	1.108	1.55	20.6	19.5
[14 -7 8]	(2 4 0)	(2 -4 -7)	1.722	1.108	1.55	80.1	56.3
[10 -5 1]	(2 4 0)	(3 5 -5)	1.722	1.107	1.56	35.8	88.5
[6 -3 -4]	(2 4 0)	(2 -4 6)	1.722	1.107	1.56	89.5	44.6
[10 -5 -3]	(2 4 0)	(3 3 5)	1.722	1.105	1.56	41.1	62.7
[8 -4 -9]	(2 4 0)	(1 -7 4)	1.722	1.104	1.56	63.6	31.5
[16 -8 -1]	(2 4 0)	(1 3 -8)	1.722	1.103	1.56	71.9	79.0
[10 -5 11]	(2 4 0)	(3 -5 -5)	1.722	1.103	1.56	84.4	35.8
[2 -1 0]	(2 4 0)	(2 4 6)	1.722	1.099	1.57	44.5	83.8
[16 -8 -3]	(2 4 0)	(1 -1 8)	1.722	1.099	1.57	81.5	70.0
[16 -8 5]	(2 4 0)	(1 -3 -8)	1.722	1.097	1.57	76.7	72.5
[16 -8 -1]	(2 4 0)	(1 1 8)	1.722	1.097	1.57	70.9	79.0
[8 -4 5]	(2 4 0)	(1 7 4)	1.722	1.096	1.57	35.2	53.5
[14 -7 -6]	(2 4 0)	(2 -2 7)	1.722	1.093	1.58	79.4	55.4
[14 -7 -2]	(2 4 0)	(2 2 7)	1.722	1.089	1.58	57.3	73.1
[14 -7 -3]	(2 4 0)	(1 5 -7)	1.722	1.088	1.58	60.1	68.2
[2 -1 1]	(2 4 0)	(1 -5 -7)	1.722	1.080	1.59	66.9	60.3

Talc-Triclinic (240) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[6 -3 -8]	(2 4 0)	(0 8 -3)	1.722	1.079	1.60	47.8	27.6
[12 -6 -7]	(2 4 0)	(3 -1 6)	1.722	1.077	1.60	66.9	48.0
[14 -7 3]	(2 4 0)	(3 3 -7)	1.722	1.076	1.60	54.0	79.7
[12 -6 -5]	(2 4 0)	(3 1 6)	1.722	1.075	1.60	55.4	56.0
[2 -1 -1]	(2 4 0)	(1 7 -5)	1.722	1.073	1.60	46.3	51.8
[6 -3 8]	(2 4 0)	(0 8 3)	1.722	1.073	1.60	42.2	30.4
[14 -7 9]	(2 4 0)	(3 -3 -7)	1.722	1.072	1.61	86.7	52.6
[8 -4 -11]	(2 4 0)	(3 -5 4)	1.722	1.067	1.61	89.2	26.9
[10 -5 9]	(2 4 0)	(1 -7 -5)	1.722	1.066	1.61	57.5	41.9
[8 -4 -1]	(2 4 0)	(3 5 4)	1.722	1.061	1.62	27.8	74.4
[2 -1 1]	(2 4 0)	(4 2 -6)	1.722	1.057	1.63	50.5	60.3
[6 -3 5]	(2 4 0)	(4 -2 -6)	1.722	1.056	1.63	73.2	44.3
[2 -1 13]	(2 4 0)	(3 -7 -1)	1.722	1.052	1.64	77.4	6.5
[0 0 1]	(2 4 0)	(2 -8 0)	1.722	1.051	1.64	64.9	0.0
[2 -1 12]	(2 4 0)	(2 -8 -1)	1.722	1.051	1.64	64.1	7.0
[2 -1 11]	(2 4 0)	(5 -1 -1)	1.722	1.050	1.64	55.6	7.7
[2 -1 9]	(2 4 0)	(5 1 -1)	1.722	1.050	1.64	42.5	9.4
[0 0 1]	(2 4 0)	(3 -7 0)	1.722	1.049	1.64	78.2	0.0
[4 -2 11]	(2 4 0)	(5 -1 -2)	1.722	1.048	1.64	56.5	15.4
[4 -2 9]	(2 4 0)	(5 1 -2)	1.722	1.048	1.64	43.6	18.7
[4 -2 -5]	(2 4 0)	(4 -2 4)	1.722	1.047	1.64	66.1	29.0
[2 -1 -2]	(2 4 0)	(2 -6 5)	1.722	1.046	1.65	79.0	34.3
[4 -2 -3]	(2 4 0)	(4 2 4)	1.722	1.044	1.65	41.7	41.6
[18 -9 1]	(2 4 0)	(1 1 -9)	1.722	1.044	1.65	83.6	88.1
[16 -8 -5]	(2 4 0)	(1 -3 8)	1.722	1.043	1.65	88.2	61.9
[4 -2 13]	(2 4 0)	(3 -7 -2)	1.722	1.042	1.65	76.9	13.0
[6 -3 1]	(2 4 0)	(1 -1 -9)	1.722	1.042	1.65	86.6	83.3
[12 -6 1]	(2 4 0)	(3 5 -6)	1.722	1.041	1.65	41.3	89.8
[16 -8 5]	(2 4 0)	(3 1 -8)	1.722	1.041	1.65	67.3	72.5
[0 0 1]	(2 4 0)	(5 -1 0)	1.722	1.039	1.66	55.2	0.0
[16 -8 7]	(2 4 0)	(3 -1 -8)	1.722	1.039	1.66	77.6	64.1
[0 0 1]	(2 4 0)	(5 1 0)	1.722	1.039	1.66	42.2	0.0
[2 -1 -2]	(2 4 0)	(2 8 -2)	1.722	1.039	1.66	23.0	34.3
[2 -1 -12]	(2 4 0)	(2 -8 1)	1.722	1.038	1.66	65.9	7.0
[10 -5 -9]	(2 4 0)	(1 -7 5)	1.722	1.038	1.66	66.0	36.9
[10 -5 2]	(2 4 0)	(2 6 5)	1.722	1.038	1.66	33.7	80.8
[2 -1 6]	(2 4 0)	(2 -8 -2)	1.722	1.037	1.66	63.7	14.1
[16 -8 1]	(2 4 0)	(1 3 8)	1.722	1.037	1.66	61.3	88.6
[2 -1 -1]	(2 4 0)	(1 -5 7)	1.722	1.037	1.66	77.7	51.8
[12 -6 11]	(2 4 0)	(3 -5 -6)	1.722	1.036	1.66	84.1	41.3
[10 -5 4]	(2 4 0)	(4 4 -5)	1.722	1.034	1.67	36.6	66.5
[6 -3 11]	(2 4 0)	(5 -1 -3)	1.722	1.033	1.67	57.8	22.7
[2 -1 3]	(2 4 0)	(5 1 -3)	1.722	1.033	1.67	45.4	27.4
[2 -1 -13]	(2 4 0)	(3 -7 1)	1.722	1.033	1.67	79.0	6.4
[10 -5 12]	(2 4 0)	(4 -4 -5)	1.722	1.032	1.67	82.9	33.3
[2 -1 1]	(2 4 0)	(1 7 5)	1.722	1.030	1.67	38.8	60.3
[14 -7 3]	(2 4 0)	(1 5 7)	1.722	1.029	1.67	50.7	79.7
[2 -1 -4]	(2 4 0)	(4 -4 3)	1.722	1.027	1.68	77.5	19.5

Talc-Triclinic (240) 362 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[6 -3 -4]	(2 4 0)	(4 4 3)	1.722	1.023	1.68	27.5	44.6
[6 -3 13]	(2 4 0)	(3 -7 -3)	1.722	1.020	1.69	76.5	19.4
[18 -9 4]	(2 4 0)	(2 0 -9)	1.722	1.020	1.69	81.1	79.1
[4 -2 0]	(2 4 0)	(2 4 -8)	1.722	1.018	1.69	60.0	83.8
[2 -1 -11]	(2 4 0)	(5 -1 1)	1.722	1.017	1.69	55.2	7.6
[2 -1 -9]	(2 4 0)	(5 1 1)	1.722	1.016	1.69	42.6	9.2
[6 -3 -4]	(2 4 0)	(2 8 -3)	1.722	1.015	1.70	27.3	44.6
[18 -9 -2]	(2 4 0)	(0 2 -9)	1.722	1.015	1.70	86.4	75.4
[2 -1 -6]	(2 4 0)	(2 -8 2)	1.722	1.014	1.70	67.3	13.5
[14 -7 8]	(2 4 0)	(4 0 -7)	1.722	1.014	1.70	64.4	56.3
[4 -2 2]	(2 4 0)	(2 -4 -8)	1.722	1.013	1.70	80.3	60.3
[2 -1 4]	(2 4 0)	(2 -8 -3)	1.722	1.012	1.70	63.7	20.9
[14 -7 -8]	(2 4 0)	(2 -4 7)	1.722	1.012	1.70	89.8	48.5
[4 -2 -1]	(2 4 0)	(2 0 8)	1.722	1.012	1.70	69.7	65.8
[18 -9 2]	(2 4 0)	(0 2 9)	1.722	1.012	1.70	74.4	87.6
[14 -7 -6]	(2 4 0)	(0 6 -7)	1.722	1.010	1.70	65.3	55.4
[8 -4 9]	(2 4 0)	(5 1 -4)	1.722	1.007	1.71	47.7	35.1
[8 -4 11]	(2 4 0)	(5 -1 -4)	1.722	1.007	1.71	59.5	29.6
[12 -6 -5]	(2 4 0)	(1 7 -6)	1.722	1.007	1.71	50.4	56.0
[4 -2 -13]	(2 4 0)	(3 -7 2)	1.722	1.005	1.71	80.0	12.5
[2 -1 0]	(2 4 0)	(2 4 7)	1.722	1.005	1.71	48.4	83.8
[10 -5 -8]	(2 4 0)	(4 0 5)	1.722	1.003	1.72	55.7	39.9
[14 -7 6]	(2 4 0)	(0 6 7)	1.722	1.002	1.72	55.1	64.7
[2 -1 14]	(2 4 0)	(4 -6 -1)	1.722	1.001	1.72	89.9	6.0
[10 -5 -11]	(2 4 0)	(3 -5 5)	1.722	1.001	1.72	88.6	32.0
[0 0 1]	(2 4 0)	(1 -9 0)	1.722	1.001	1.72	52.2	0.0

Talc-Triclinic (310) 317 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[1 -3 0]	(3 1 0)	(0 0 1)	1.712	9.351	0.18	81.4	88.8
[0 0 1]	(3 1 0)	(0 2 0)	1.712	4.586	0.37	79.1	0.0
[0 0 1]	(3 1 0)	(1 -1 0)	1.712	4.548	0.38	40.5	0.0
[1 -3 -2]	(3 1 0)	(1 1 -1)	1.712	4.318	0.40	33.8	55.2
[1 -3 4]	(3 1 0)	(1 -1 -1)	1.712	4.312	0.40	49.3	36.9
[1 -3 -6]	(3 1 0)	(0 2 -1)	1.712	4.131	0.41	84.0	26.1
[1 -3 6]	(3 1 0)	(0 2 1)	1.712	4.104	0.42	76.4	26.4
[1 -3 -4]	(3 1 0)	(1 -1 1)	1.712	3.900	0.44	44.4	36.2
[1 -3 2]	(3 1 0)	(1 1 1)	1.712	3.882	0.44	29.4	56.8
[1 -3 -1]	(3 1 0)	(1 1 -2)	1.712	3.501	0.49	51.8	70.3
[1 -3 2]	(3 1 0)	(1 -1 -2)	1.712	3.490	0.49	61.8	56.8
[1 -3 -3]	(3 1 0)	(0 2 -2)	1.712	3.288	0.52	88.3	44.1
[1 -3 3]	(3 1 0)	(0 2 2)	1.712	3.261	0.52	76.2	45.2
[1 -3 -2]	(3 1 0)	(1 -1 2)	1.712	3.071	0.56	52.3	55.2
[1 -3 1]	(3 1 0)	(1 1 2)	1.712	3.057	0.56	42.7	72.4
[3 -9 -2]	(3 1 0)	(1 1 -3)	1.712	2.748	0.62	63.8	76.2
[3 -9 4]	(3 1 0)	(1 -1 -3)	1.712	2.739	0.62	70.9	66.7
[0 0 1]	(3 1 0)	(1 -3 0)	1.712	2.643	0.65	70.6	0.0
[0 0 1]	(3 1 0)	(1 3 0)	1.712	2.636	0.65	48.8	0.0
[1 -3 -8]	(3 1 0)	(1 3 -1)	1.712	2.594	0.66	52.7	20.3
[1 -3 10]	(3 1 0)	(1 -3 -1)	1.712	2.590	0.66	73.5	16.5
[1 -3 -2]	(3 1 0)	(0 -2 3)	1.712	2.588	0.66	89.0	55.2
[1 -3 2]	(3 1 0)	(0 2 3)	1.712	2.568	0.67	76.7	56.8
[1 -3 -10]	(3 1 0)	(1 -3 1)	1.712	2.498	0.69	69.2	16.5
[1 -3 8]	(3 1 0)	(1 3 1)	1.712	2.484	0.69	48.7	20.4
[1 -3 1]	(3 1 0)	(2 0 -2)	1.712	2.445	0.70	32.8	72.4
[3 -9 -4]	(3 1 0)	(1 -1 3)	1.712	2.431	0.70	58.4	64.8
[3 -9 2]	(3 1 0)	(1 1 3)	1.712	2.421	0.71	51.6	78.4
[1 -3 -4]	(3 1 0)	(1 3 -2)	1.712	2.383	0.72	58.7	36.2
[1 -3 5]	(3 1 0)	(1 -3 -2)	1.712	2.372	0.72	77.1	30.9
[1 -3 8]	(3 1 0)	(2 -2 -1)	1.712	2.277	0.75	43.5	20.4
[1 -3 -4]	(3 1 0)	(2 2 -1)	1.712	2.276	0.75	24.1	36.2
[1 -3 -5]	(3 1 0)	(1 -3 2)	1.712	2.235	0.77	69.3	30.4
[1 -3 -12]	(3 1 0)	(0 4 -1)	1.712	2.231	0.77	81.5	13.9
[1 -3 12]	(3 1 0)	(0 4 1)	1.712	2.223	0.77	77.3	13.8
[1 -3 4]	(3 1 0)	(1 3 2)	1.712	2.219	0.77	51.3	36.9
[2 -6 -1]	(3 1 0)	(1 1 -4)	1.712	2.203	0.78	71.4	79.3
[1 -3 1]	(3 1 0)	(1 -1 -4)	1.712	2.196	0.78	76.9	72.4
[3 -9 2]	(3 1 0)	(2 0 -3)	1.712	2.171	0.79	44.6	78.4
[1 -3 -1]	(3 1 0)	(2 0 2)	1.712	2.148	0.80	28.8	70.3
[1 -3 -8]	(3 1 0)	(2 -2 1)	1.712	2.148	0.80	41.2	20.3
[1 -3 4]	(3 1 0)	(2 2 1)	1.712	2.140	0.80	22.1	36.9
[3 -9 -8]	(3 1 0)	(1 3 -3)	1.712	2.101	0.81	64.9	47.4
[2 -6 -3]	(3 1 0)	(0 -2 4)	1.712	2.090	0.82	87.3	62.2
[3 -9 10]	(3 1 0)	(1 -3 -3)	1.712	2.088	0.82	80.6	42.1
[2 -6 3]	(3 1 0)	(0 2 4)	1.712	2.076	0.82	77.4	64.1
[1 -3 -1]	(3 1 0)	(1 -1 4)	1.712	1.979	0.86	62.8	70.3
[2 -6 1]	(3 1 0)	(1 1 4)	1.712	1.973	0.87	57.5	81.6

Talc-Triclinic (310) 317 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[3 -9 -4]	(3 1 0)	(2 2 -3)	1.712	1.965	0.87	43.5	64.8
[3 -9 8]	(3 1 0)	(2 -2 -3)	1.712	1.960	0.87	55.9	48.6
[3 -9 -10]	(3 1 0)	(1 -3 3)	1.712	1.950	0.88	70.2	41.2
[3 -9 8]	(3 1 0)	(1 3 3)	1.712	1.935	0.88	54.8	48.6
[2 -6 1]	(3 1 0)	(2 0 -4)	1.712	1.890	0.91	53.9	81.6
[3 -9 -2]	(3 1 0)	(2 0 3)	1.712	1.869	0.92	37.6	76.2
[1 -3 -4]	(3 1 0)	(0 4 -3)	1.712	1.855	0.92	86.3	36.2
[1 -3 4]	(3 1 0)	(0 4 3)	1.712	1.840	0.93	76.1	36.9
[1 -3 -2]	(3 1 0)	(1 3 -4)	1.712	1.826	0.94	70.2	55.2
[5 -15 -2]	(3 1 0)	(1 1 -5)	1.712	1.818	0.94	76.5	81.2
[2 -6 5]	(3 1 0)	(1 -3 -4)	1.712	1.814	0.94	83.6	50.5
[5 -15 4]	(3 1 0)	(1 -1 -5)	1.712	1.813	0.94	80.9	76.0
[5 -15 -6]	(3 1 0)	(0 -2 5)	1.712	1.737	0.99	86.1	67.0
[3 -9 -8]	(3 1 0)	(2 -2 3)	1.712	1.735	0.99	48.4	47.4
[0 0 1]	(3 1 0)	(1 -5 0)	1.712	1.733	0.99	81.6	0.0
[1 -3 6]	(3 1 0)	(3 -1 -1)	1.712	1.731	0.99	24.2	26.4
[0 0 1]	(3 1 0)	(1 5 0)	1.712	1.730	0.99	59.8	0.0
[5 -15 6]	(3 1 0)	(0 2 5)	1.712	1.727	0.99	77.9	69.0
[1 -3 14]	(3 1 0)	(2 -4 -1)	1.712	1.727	0.99	61.4	11.9
[3 -9 4]	(3 1 0)	(2 2 3)	1.712	1.727	0.99	36.6	66.7
[0 0 1]	(3 1 0)	(2 -4 0)	1.712	1.726	0.99	59.6	0.0
[1 -3 -10]	(3 1 0)	(2 4 -1)	1.712	1.726	0.99	40.2	16.5
[0 0 1]	(3 1 0)	(2 4 0)	1.712	1.722	0.99	37.9	0.0
[1 -3 -14]	(3 1 0)	(1 5 -1)	1.712	1.719	1.00	61.8	12.0
[1 -3 16]	(3 1 0)	(1 -5 -1)	1.712	1.717	1.00	83.2	10.4
[0 0 1]	(3 1 0)	(3 -1 0)	1.712	1.713	1.00	21.5	0.0
[2 -6 -5]	(3 1 0)	(1 -3 4)	1.712	1.694	1.01	71.2	49.2
[1 -3 0]	(3 1 0)	(3 1 -2)	1.712	1.691	1.01	21.0	88.8
[1 -3 3]	(3 1 0)	(3 -1 -2)	1.712	1.691	1.01	30.2	45.2
[1 -3 -16]	(3 1 0)	(1 -5 1)	1.712	1.691	1.01	80.2	10.5
[1 -3 14]	(3 1 0)	(1 5 1)	1.712	1.683	1.02	58.9	11.9
[1 -3 2]	(3 1 0)	(1 3 4)	1.712	1.681	1.02	58.2	56.8
[1 -3 -5]	(3 1 0)	(2 4 -2)	1.712	1.674	1.02	44.5	30.4
[1 -3 7]	(3 1 0)	(2 -4 -2)	1.712	1.671	1.02	64.1	23.0
[1 -3 -14]	(3 1 0)	(2 -4 1)	1.712	1.670	1.02	58.9	12.0
[1 -3 10]	(3 1 0)	(2 4 1)	1.712	1.662	1.03	38.0	16.5
[5 -15 -4]	(3 1 0)	(1 -1 5)	1.712	1.657	1.03	65.8	73.8
[1 -3 -7]	(3 1 0)	(1 5 -2)	1.712	1.654	1.04	64.6	22.8
[5 -15 2]	(3 1 0)	(1 1 5)	1.712	1.652	1.04	61.5	83.5
[1 -3 8]	(3 1 0)	(1 -5 -2)	1.712	1.647	1.04	85.0	20.4
[1 -3 -6]	(3 1 0)	(3 -1 1)	1.712	1.643	1.04	23.3	26.1
[5 -15 2]	(3 1 0)	(2 0 -5)	1.712	1.643	1.04	60.9	83.5
[2 -6 -1]	(3 1 0)	(2 0 4)	1.712	1.625	1.05	44.4	79.3
[1 -3 0]	(3 1 0)	(3 1 -3)	1.712	1.605	1.07	30.6	88.8
[1 -3 2]	(3 1 0)	(3 -1 -3)	1.712	1.604	1.07	37.4	56.8
[1 -3 -8]	(3 1 0)	(1 -5 2)	1.712	1.603	1.07	79.2	20.3
[1 -3 7]	(3 1 0)	(1 5 2)	1.712	1.593	1.07	59.0	23.0
[5 -15 -8]	(3 1 0)	(1 3 -5)	1.712	1.589	1.08	74.4	60.7

Talc-Triclinic (310) 317 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[3 -9 -10]	(3 1 0)	(2 4 -3)	1.712	1.579	1.08	49.6	41.2
[1 -3 2]	(3 1 0)	(1 -3 -5)	1.712	1.579	1.08	85.8	56.8
[3 -9 14]	(3 1 0)	(2 -4 -3)	1.712	1.574	1.09	67.3	32.7
[1 -3 -7]	(3 1 0)	(2 -4 2)	1.712	1.573	1.09	59.2	22.8
[1 -3 5]	(3 1 0)	(2 4 2)	1.712	1.563	1.10	40.0	30.9
[3 -9 -14]	(3 1 0)	(1 5 -3)	1.712	1.551	1.10	67.9	32.1
[5 -15 -4]	(3 1 0)	(2 2 -5)	1.712	1.550	1.10	58.5	73.8
[5 -15 8]	(3 1 0)	(2 -2 -5)	1.712	1.544	1.11	66.9	62.5
[3 -9 16]	(3 1 0)	(1 -5 -3)	1.712	1.542	1.11	86.8	29.3
[3 -9 -1]	(3 1 0)	(1 1 -6)	1.712	1.539	1.11	80.0	82.4
[1 -3 -3]	(3 1 0)	(3 -1 2)	1.712	1.538	1.11	27.9	44.1
[3 -9 2]	(3 1 0)	(1 -1 -6)	1.712	1.536	1.11	83.7	78.4
[1 -3 12]	(3 1 0)	(3 -3 -1)	1.712	1.528	1.12	42.1	13.8
[1 -3 -6]	(3 1 0)	(3 3 -1)	1.712	1.526	1.12	21.6	26.1
[1 -3 -18]	(3 1 0)	(0 6 -1)	1.712	1.511	1.13	80.6	9.4
[1 -3 18]	(3 1 0)	(0 6 1)	1.712	1.507	1.14	77.8	9.3
[1 -3 -3]	(3 1 0)	(3 3 -2)	1.712	1.500	1.14	27.1	44.1
[1 -3 6]	(3 1 0)	(3 -3 -2)	1.712	1.499	1.14	45.2	26.4
[1 -3 0]	(3 1 0)	(3 1 -4)	1.712	1.492	1.15	39.1	88.8
[2 -6 3]	(3 1 0)	(3 -1 -4)	1.712	1.490	1.15	44.5	64.1
[3 -9 -16]	(3 1 0)	(1 -5 3)	1.712	1.488	1.15	78.6	28.8
[1 -3 -1]	(3 1 0)	(0 -2 6)	1.712	1.479	1.16	85.4	70.3
[1 -3 -2]	(3 1 0)	(1 -3 5)	1.712	1.479	1.16	72.3	55.2
[3 -9 14]	(3 1 0)	(1 5 3)	1.712	1.477	1.16	60.0	32.7
[1 -3 1]	(3 1 0)	(0 2 6)	1.712	1.472	1.16	78.3	72.4
[5 -15 8]	(3 1 0)	(1 3 5)	1.712	1.469	1.17	61.0	62.5
[1 -3 -12]	(3 1 0)	(3 -3 1)	1.712	1.467	1.17	40.6	13.9
[1 -3 6]	(3 1 0)	(3 3 1)	1.712	1.462	1.17	20.3	26.4
[2 -6 -5]	(3 1 0)	(2 4 -4)	1.712	1.462	1.17	54.8	49.2
[1 -3 -9]	(3 1 0)	(0 6 -2)	1.712	1.457	1.18	82.3	18.2
[2 -6 7]	(3 1 0)	(2 -4 -4)	1.712	1.455	1.18	70.5	40.7
[5 -15 -12]	(3 1 0)	(0 4 -5)	1.712	1.455	1.18	89.8	50.3
[3 -9 -14]	(3 1 0)	(2 -4 3)	1.712	1.454	1.18	60.3	32.1
[1 -3 9]	(3 1 0)	(0 6 2)	1.712	1.450	1.18	76.9	18.2
[3 -9 10]	(3 1 0)	(2 4 3)	1.712	1.444	1.19	43.0	42.1
[5 -15 12]	(3 1 0)	(0 4 5)	1.712	1.444	1.19	76.4	51.7
[3 -9 1]	(3 1 0)	(2 0 -6)	1.712	1.438	1.19	66.3	84.7
[2 -6 -7]	(3 1 0)	(1 5 -4)	1.712	1.430	1.20	71.0	39.8
[5 -15 -2]	(3 1 0)	(2 0 5)	1.712	1.423	1.20	49.6	81.2
[1 -3 4]	(3 1 0)	(1 -5 -4)	1.712	1.421	1.20	88.3	36.9
[3 -9 -2]	(3 1 0)	(1 -1 6)	1.712	1.420	1.21	68.0	76.2
[3 -9 1]	(3 1 0)	(1 1 6)	1.712	1.416	1.21	64.4	84.7
[1 -3 -2]	(3 1 0)	(3 -1 3)	1.712	1.416	1.21	33.2	55.2
[1 -3 0]	(3 1 0)	(3 1 3)	1.712	1.414	1.21	26.6	88.8
[3 -9 -4]	(3 1 0)	(1 3 -6)	1.712	1.393	1.23	77.6	64.8
[1 -3 -6]	(3 1 0)	(3 -3 2)	1.712	1.391	1.23	42.1	26.1
[1 -3 3]	(3 1 0)	(3 3 2)	1.712	1.385	1.24	24.4	45.2
[3 -9 5]	(3 1 0)	(1 -3 -6)	1.712	1.385	1.24	87.6	61.5

Talc-Triclinic (310) 317 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[1 -3 0]	(3 1 0)	(3 1 -5)	1.712	1.369	1.25	46.4	88.8
[5 -15 6]	(3 1 0)	(3 -1 -5)	1.712	1.367	1.25	50.7	69.0
[1 -3 -4]	(3 1 0)	(1 -5 4)	1.712	1.365	1.25	78.3	36.2
[5 -15 -8]	(3 1 0)	(2 -2 5)	1.712	1.362	1.26	55.6	60.7
[2 -6 -3]	(3 1 0)	(3 3 -4)	1.712	1.356	1.26	40.4	62.2
[5 -15 4]	(3 1 0)	(2 2 5)	1.712	1.356	1.26	47.6	76.0
[2 -6 7]	(3 1 0)	(1 5 4)	1.712	1.354	1.26	61.3	40.7
[1 -3 3]	(3 1 0)	(3 -3 -4)	1.712	1.353	1.27	53.7	45.2
[1 -3 -2]	(3 1 0)	(2 4 -5)	1.712	1.339	1.28	59.6	55.2
[5 -15 14]	(3 1 0)	(2 -4 -5)	1.712	1.332	1.28	73.5	47.2
[2 -6 -7]	(3 1 0)	(2 -4 4)	1.712	1.331	1.29	61.6	39.8
[2 -6 5]	(3 1 0)	(2 4 4)	1.712	1.321	1.30	46.4	50.5
[1 -3 20]	(3 1 0)	(2 -6 -1)	1.712	1.321	1.30	71.8	8.4
[1 -3 -16]	(3 1 0)	(2 6 -1)	1.712	1.321	1.30	50.3	10.5
[5 -15 -14]	(3 1 0)	(1 5 -5)	1.712	1.308	1.31	74.0	46.0
[3 -9 -5]	(3 1 0)	(1 -3 6)	1.712	1.304	1.31	73.2	59.8
[5 -15 16]	(3 1 0)	(1 -5 -5)	1.712	1.299	1.32	89.7	43.3
[1 -3 -20]	(3 1 0)	(2 -6 1)	1.712	1.296	1.32	69.7	8.5
[3 -9 4]	(3 1 0)	(1 3 6)	1.712	1.295	1.32	63.4	66.7
[2 -6 -3]	(3 1 0)	(3 -1 4)	1.712	1.294	1.32	38.2	62.2
[1 -3 0]	(3 1 0)	(3 1 4)	1.712	1.292	1.32	33.1	88.8
[1 -3 16]	(3 1 0)	(2 6 1)	1.712	1.291	1.33	48.3	10.4
[2 -6 -9]	(3 1 0)	(0 6 -4)	1.712	1.284	1.33	85.6	33.1
[3 -9 4]	(3 1 0)	(4 0 -3)	1.712	1.276	1.34	26.1	66.7
[2 -6 9]	(3 1 0)	(0 6 4)	1.712	1.275	1.34	76.1	33.7
[0 0 11]	(3 1 0)	(1 -7 0)	1.712	1.272	1.35	86.8	0.0
[1 -3 18]	(3 1 0)	(3 -5 -1)	1.712	1.272	1.35	55.6	9.3
[1 -3 10]	(3 1 0)	(4 -2 -1)	1.712	1.271	1.35	28.1	16.5
[0 0 1]	(3 1 0)	(1 7 0)	1.712	1.270	1.35	65.0	0.0
[1 -3 -12]	(3 1 0)	(3 5 -1)	1.712	1.270	1.35	34.3	13.9
[1 -3 -20]	(3 1 0)	(1 7 -1)	1.712	1.266	1.35	66.4	8.5
[0 0 1]	(3 1 0)	(3 -5 0)	1.712	1.265	1.35	54.4	0.0
[5 -15 -6]	(3 1 0)	(3 3 -5)	1.712	1.262	1.36	46.5	67.0
[0 0 1]	(3 1 0)	(3 5 0)	1.712	1.262	1.36	32.7	0.0
[1 -3 5]	(3 1 0)	(4 -2 -2)	1.712	1.261	1.36	31.2	30.9
[5 -15 12]	(3 1 0)	(3 -3 -5)	1.712	1.259	1.36	57.9	51.7
[0 0 1]	(3 1 0)	(4 -2 0)	1.712	1.258	1.36	26.7	0.0
[3 -9 -1]	(3 1 0)	(2 0 6)	1.712	1.258	1.36	53.6	82.4
[1 -3 -6]	(3 1 0)	(3 5 -2)	1.712	1.255	1.36	37.2	26.1
[1 -3 9]	(3 1 0)	(3 -5 -2)	1.712	1.255	1.36	57.5	18.2
[3 -9 -16]	(3 1 0)	(2 6 -3)	1.712	1.252	1.37	55.6	28.8
[1 -3 20]	(3 1 0)	(1 7 1)	1.712	1.251	1.37	64.2	8.4
[1 -3 0]	(3 1 0)	(3 1 -6)	1.712	1.249	1.37	52.4	88.8
[3 -9 20]	(3 1 0)	(2 -6 -3)	1.712	1.248	1.37	75.3	24.1
[1 -3 1]	(3 1 0)	(3 -1 -6)	1.712	1.248	1.37	56.1	72.4
[5 -15 -16]	(3 1 0)	(1 -5 5)	1.712	1.245	1.37	78.2	42.3
[1 -3 -10]	(3 1 0)	(1 7 -2)	1.712	1.240	1.38	68.1	16.5
[1 -3 -18]	(3 1 0)	(3 -5 1)	1.712	1.237	1.38	53.9	9.4

Talc-Triclinic (310) 317 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[1 -3 11]	(3 1 0)	(1 -7 -2)	1.712	1.236	1.38	89.2	15.1
[5 -15 14]	(3 1 0)	(1 5 5)	1.712	1.235	1.39	62.7	47.2
[1 -3 12]	(3 1 0)	(3 5 1)	1.712	1.232	1.39	32.7	13.8
[3 -9 -2]	(3 1 0)	(4 2 -3)	1.712	1.230	1.39	23.7	76.2
[3 -9 10]	(3 1 0)	(4 -2 -3)	1.712	1.229	1.39	35.5	42.1
[1 -3 -10]	(3 1 0)	(4 -2 1)	1.712	1.224	1.40	27.3	16.5
[3 -9 -5]	(3 1 0)	(2 4 -6)	1.712	1.221	1.40	63.7	59.8
[1 -3 -4]	(3 1 0)	(3 5 -3)	1.712	1.219	1.40	41.0	36.2
[1 -3 -11]	(3 1 0)	(1 -7 2)	1.712	1.219	1.40	84.7	15.1
[1 -3 6]	(3 1 0)	(3 -5 -3)	1.712	1.217	1.41	59.9	26.4
[3 -9 7]	(3 1 0)	(2 -4 -6)	1.712	1.215	1.41	76.1	52.5
[5 -15 -14]	(3 1 0)	(2 -4 5)	1.712	1.213	1.41	63.1	46.0
[1 -3 10]	(3 1 0)	(1 7 2)	1.712	1.212	1.41	63.8	16.5
[1 -3 2]	(3 1 0)	(2 4 5)	1.712	1.205	1.42	49.6	56.8
[1 -3 -3]	(3 1 0)	(3 -3 4)	1.712	1.204	1.42	47.1	44.1
[2 -6 3]	(3 1 0)	(3 3 4)	1.712	1.198	1.43	34.3	64.1
[3 -9 -20]	(3 1 0)	(1 7 -3)	1.712	1.195	1.43	70.1	23.8
[3 -9 -7]	(3 1 0)	(1 5 -6)	1.712	1.193	1.44	76.6	51.1
[5 -15 -18]	(3 1 0)	(0 6 -5)	1.712	1.188	1.44	87.0	39.0
[3 -9 -20]	(3 1 0)	(2 -6 3)	1.712	1.187	1.44	69.1	23.8
[3 -9 8]	(3 1 0)	(1 -5 -6)	1.712	1.184	1.45	89.2	48.6
[2 -6 -1]	(3 1 0)	(4 2 -4)	1.712	1.182	1.45	30.6	79.3
[2 -6 5]	(3 1 0)	(4 -2 -4)	1.712	1.181	1.45	40.3	50.5
[5 -15 -6]	(3 1 0)	(3 -1 5)	1.712	1.180	1.45	42.7	67.0
[3 -9 16]	(3 1 0)	(2 6 3)	1.712	1.179	1.45	49.8	29.3
[5 -15 18]	(3 1 0)	(0 6 5)	1.712	1.179	1.45	76.1	39.9
[1 -3 0]	(3 1 0)	(3 1 5)	1.712	1.178	1.45	38.5	88.8
[1 -3 -5]	(3 1 0)	(4 -2 2)	1.712	1.174	1.46	29.4	30.4
[4 -12 -1]	(3 1 0)	(1 1 -8)	1.712	1.171	1.46	84.6	84.0
[2 -6 1]	(3 1 0)	(1 -1 -8)	1.712	1.169	1.46	87.4	81.6
[1 -3 -3]	(3 1 0)	(3 5 -4)	1.712	1.168	1.47	45.2	44.1
[1 -3 -1]	(3 1 0)	(3 3 -6)	1.712	1.167	1.47	51.8	70.3
[2 -6 9]	(3 1 0)	(3 -5 -4)	1.712	1.165	1.47	62.5	33.7
[1 -3 2]	(3 1 0)	(3 -3 -6)	1.712	1.163	1.47	61.8	56.8
[3 -9 20]	(3 1 0)	(1 7 3)	1.712	1.158	1.48	63.9	24.1
[5 -15 4]	(3 1 0)	(4 0 -5)	1.712	1.157	1.48	39.1	76.0
[0 0 1]	(3 1 0)	(0 8 0)	1.712	1.147	1.49	79.1	0.0
[1 -3 16]	(3 1 0)	(4 -4 -1)	1.712	1.146	1.49	41.5	10.4
[3 -9 -4]	(3 1 0)	(4 0 3)	1.712	1.146	1.49	23.7	64.8
[1 -3 -8]	(3 1 0)	(4 4 -1)	1.712	1.145	1.50	20.5	20.3
[1 -3 0]	(3 1 0)	(3 1 -7)	1.712	1.139	1.50	57.5	88.8
[1 -3 -5]	(3 1 0)	(1 7 -4)	1.712	1.138	1.50	72.2	30.4
[3 -9 -8]	(3 1 0)	(1 -5 6)	1.712	1.135	1.51	78.2	47.4
[4 -12 -3]	(3 1 0)	(0 -2 8)	1.712	1.135	1.51	84.3	74.7
[4 -12 1]	(3 1 0)	(2 0 -8)	1.712	1.133	1.51	73.7	86.3
[1 -3 -6]	(3 1 0)	(3 -5 3)	1.712	1.132	1.51	54.9	26.1
[2 -6 11]	(3 1 0)	(1 -7 -4)	1.712	1.131	1.51	88.7	28.5
[4 -12 3]	(3 1 0)	(0 2 8)	1.712	1.130	1.51	79.0	76.9

Talc-Triclinic (310) 317 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$
[3 -9 7]	(3 1 0)	(1 5 6)	1.712	1.126	1.52	64.2	52.5
[1 -3 4]	(3 1 0)	(3 5 3)	1.712	1.126	1.52	36.4	36.9
[5 -15 -16]	(3 1 0)	(2 6 -5)	1.712	1.122	1.53	61.9	42.3
[5 -15 -2]	(3 1 0)	(4 2 -5)	1.712	1.122	1.53	36.9	81.2
[1 -3 2]	(3 1 0)	(4 -2 -5)	1.712	1.121	1.53	45.1	56.8
[1 -3 4]	(3 1 0)	(2 -6 -5)	1.712	1.116	1.53	78.9	36.9
[3 -9 16]	(3 1 0)	(4 -4 -3)	1.712	1.115	1.54	46.2	29.3
[3 -9 -10]	(3 1 0)	(4 -2 3)	1.712	1.113	1.54	32.5	41.2
[1 -3 -16]	(3 1 0)	(4 -4 1)	1.712	1.112	1.54	40.4	10.5
[5 -15 -12]	(3 1 0)	(3 -3 5)	1.712	1.111	1.54	49.7	50.3
[3 -9 2]	(3 1 0)	(4 2 3)	1.712	1.110	1.54	21.1	78.4
[1 -3 2]	(3 1 0)	(2 -4 -7)	1.712	1.108	1.55	78.4	56.8
[5 -15 -12]	(3 1 0)	(3 5 -5)	1.712	1.107	1.55	49.5	50.3
[3 -9 -7]	(3 1 0)	(2 -4 6)	1.712	1.107	1.55	64.5	51.1
[5 -15 6]	(3 1 0)	(3 3 5)	1.712	1.105	1.55	38.7	69.0
[2 -6 -11]	(3 1 0)	(1 -7 4)	1.712	1.104	1.55	83.2	28.1
[1 -3 -1]	(3 1 0)	(1 3 -8)	1.712	1.103	1.55	82.3	70.3
[5 -15 18]	(3 1 0)	(3 -5 -5)	1.712	1.103	1.55	65.2	39.9
[3 -9 5]	(3 1 0)	(2 4 6)	1.712	1.099	1.56	52.5	61.5
[2 -6 -1]	(3 1 0)	(1 -1 8)	1.712	1.099	1.56	71.1	79.3
[4 -12 5]	(3 1 0)	(1 -3 -8)	1.712	1.097	1.56	89.9	68.1
[4 -12 1]	(3 1 0)	(1 1 8)	1.712	1.097	1.56	68.3	86.3
[1 -3 5]	(3 1 0)	(1 7 4)	1.712	1.096	1.56	64.3	30.9
[1 -3 -2]	(3 1 0)	(1 5 -7)	1.712	1.088	1.57	78.8	55.2
[1 -3 -8]	(3 1 0)	(0 8 -3)	1.712	1.079	1.59	82.7	20.3
[1 -3 -1]	(3 1 0)	(3 -1 6)	1.712	1.077	1.59	46.5	70.3
[1 -3 0]	(3 1 0)	(3 1 6)	1.712	1.075	1.59	43.0	88.8
[1 -3 -4]	(3 1 0)	(1 7 -5)	1.712	1.073	1.59	74.3	36.2
[1 -3 8]	(3 1 0)	(0 8 3)	1.712	1.073	1.59	76.8	20.4
[2 -6 -9]	(3 1 0)	(3 -5 4)	1.712	1.067	1.60	56.0	33.1
[1 -3 3]	(3 1 0)	(3 5 4)	1.712	1.061	1.61	39.2	45.2
[3 -9 -1]	(3 1 0)	(4 2 -6)	1.712	1.057	1.62	42.6	82.4
[3 -9 5]	(3 1 0)	(4 -2 -6)	1.712	1.056	1.62	49.6	61.5
[0 0 1]	(3 1 0)	(2 -8 0)	1.712	1.051	1.63	77.2	0.0
[1 -3 -18]	(3 1 0)	(3 7 -1)	1.712	1.051	1.63	43.3	9.4
[1 -3 4]	(3 1 0)	(5 -1 -2)	1.712	1.048	1.63	21.6	36.9
[2 -6 -5]	(3 1 0)	(4 -2 4)	1.712	1.047	1.63	35.8	49.2
[0 0 1]	(3 1 0)	(3 7 0)	1.712	1.046	1.64	42.2	0.0
[1 -3 -4]	(3 1 0)	(2 -6 5)	1.712	1.046	1.64	69.7	36.2
[2 -6 1]	(3 1 0)	(4 2 4)	1.712	1.044	1.64	26.5	81.6
[4 -12 -5]	(3 1 0)	(1 -3 8)	1.712	1.043	1.64	74.6	66.1
[1 -3 -9]	(3 1 0)	(3 7 -2)	1.712	1.043	1.64	45.2	18.2
[1 -3 12]	(3 1 0)	(3 -7 -2)	1.712	1.042	1.64	66.2	13.8
[1 -3 -2]	(3 1 0)	(3 5 -6)	1.712	1.041	1.64	53.5	55.2
[1 -3 0]	(3 1 0)	(3 1 -8)	1.712	1.041	1.64	61.7	88.8
[4 -12 3]	(3 1 0)	(3 -1 -8)	1.712	1.039	1.65	64.5	76.9
[1 -3 -11]	(3 1 0)	(2 8 -2)	1.712	1.039	1.65	58.1	15.1
[5 -15 16]	(3 1 0)	(2 6 5)	1.712	1.038	1.65	53.0	43.3

Talc-Triclinic (310) 317 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	$ZA^\circ C^\circ$
[1 -3 13]	(3 1 0)	(2 -8 -2)	1.712	1.037	1.65	79.3	12.8
[1 -3 1]	(3 1 0)	(1 3 8)	1.712	1.037	1.65	66.9	72.4
[1 -3 3]	(3 1 0)	(3 -5 -6)	1.712	1.036	1.65	67.8	45.2
[5 -15 -8]	(3 1 0)	(4 4 -5)	1.712	1.034	1.66	38.8	60.7
[3 -9 8]	(3 1 0)	(5 -1 -3)	1.712	1.033	1.66	25.9	48.6
[1 -3 4]	(3 1 0)	(1 7 5)	1.712	1.030	1.66	64.9	36.9
[1 -3 2]	(3 1 0)	(1 5 7)	1.712	1.029	1.66	65.5	56.8
[1 -3 18]	(3 1 0)	(3 7 1)	1.712	1.029	1.66	41.9	9.3
[3 -9 -16]	(3 1 0)	(4 -4 3)	1.712	1.027	1.67	42.6	28.8
[3 -9 8]	(3 1 0)	(4 4 3)	1.712	1.023	1.67	25.6	48.6
[1 -3 -6]	(3 1 0)	(3 7 -3)	1.712	1.022	1.67	47.6	26.1
[1 -3 8]	(3 1 0)	(3 -7 -3)	1.712	1.020	1.68	67.8	20.4
[1 -3 1]	(3 1 0)	(3 3 6)	1.712	1.019	1.68	42.7	72.4
[4 -12 -5]	(3 1 0)	(2 4 -8)	1.712	1.018	1.68	70.4	66.1
[3 -9 -2]	(3 1 0)	(0 -2 9)	1.712	1.015	1.69	84.0	76.2
[1 -3 -13]	(3 1 0)	(2 -8 2)	1.712	1.014	1.69	75.8	12.9
[4 -12 7]	(3 1 0)	(2 -4 -8)	1.712	1.013	1.69	80.4	60.3
[1 -3 -2]	(3 1 0)	(2 -4 7)	1.712	1.012	1.69	65.8	55.2
[4 -12 -1]	(3 1 0)	(2 0 8)	1.712	1.012	1.69	59.4	84.0
[3 -9 2]	(3 1 0)	(0 2 9)	1.712	1.012	1.69	79.2	78.4
[1 -3 11]	(3 1 0)	(2 8 2)	1.712	1.009	1.70	54.7	15.1
[2 -6 1]	(3 1 0)	(5 1 -4)	1.712	1.007	1.70	25.5	81.6
[1 -3 2]	(3 1 0)	(5 -1 -4)	1.712	1.007	1.70	30.6	56.8
[3 -9 -10]	(3 1 0)	(1 7 -6)	1.712	1.007	1.70	76.2	41.2
[1 -3 -12]	(3 1 0)	(3 -7 2)	1.712	1.005	1.70	63.0	13.9
[5 -15 -4]	(3 1 0)	(4 0 5)	1.712	1.003	1.71	33.5	73.8
[5 -15 -18]	(3 1 0)	(3 -5 5)	1.712	1.001	1.71	57.3	39.0
[0 0 1]	(3 1 0)	(1 -9 0)	1.712	1.001	1.71	89.9	0.0
[1 -3 9]	(3 1 0)	(3 7 2)	1.712	1.000	1.71	42.2	18.2

Talc-Triclinic (170) 190 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[7 -1 0]	(1 7 0)	(0 0 1)	1.270	9.351	0.14	87.4	81.7
[0 0 1]	(1 7 0)	(1 -1 0)	1.270	4.548	0.28	74.5	0.0
[0 0 1]	(1 7 0)	(1 1 0)	1.270	4.538	0.28	46.1	0.0
[7 -1 6]	(1 7 0)	(1 1 -1)	1.270	4.318	0.29	50.3	36.4
[7 -1 8]	(1 7 0)	(1 -1 -1)	1.270	4.312	0.29	74.1	28.3
[7 -1 -2]	(1 7 0)	(0 2 -1)	1.270	4.131	0.31	31.3	57.1
[7 -1 2]	(1 7 0)	(0 2 1)	1.270	4.104	0.31	27.4	70.5
[7 -1 -8]	(1 7 0)	(1 -1 1)	1.270	3.900	0.33	77.8	25.0
[7 -1 -6]	(1 7 0)	(1 1 1)	1.270	3.882	0.33	52.3	31.2
[7 -1 3]	(1 7 0)	(1 1 -2)	1.270	3.501	0.36	59.9	58.8
[7 -1 4]	(1 7 0)	(1 -1 -2)	1.270	3.490	0.36	76.2	49.4
[7 -1 -1]	(1 7 0)	(0 2 -2)	1.270	3.288	0.39	48.4	68.4
[7 -1 1]	(1 7 0)	(0 2 2)	1.270	3.261	0.39	43.9	84.0
[7 -1 -4]	(1 7 0)	(1 -1 2)	1.270	3.071	0.41	81.3	41.1
[7 -1 -3]	(1 7 0)	(1 1 2)	1.270	3.057	0.42	60.3	48.1
[7 -1 2]	(1 7 0)	(1 1 -3)	1.270	2.748	0.46	67.6	70.5
[0 0 1]	(1 7 0)	(1 -3 0)	1.270	2.643	0.48	44.4	0.0
[7 -1 14]	(1 7 0)	(2 0 -1)	1.270	2.623	0.48	76.5	16.5
[0 0 1]	(1 7 0)	(2 0 0)	1.270	2.615	0.49	75.8	0.0
[7 -1 4]	(1 7 0)	(1 3 -1)	1.270	2.594	0.49	21.2	49.4
[7 -1 10]	(1 7 0)	(1 -3 -1)	1.270	2.590	0.49	44.6	23.0
[7 -1 -10]	(1 7 0)	(1 -3 1)	1.270	2.498	0.51	48.4	20.7
[7 -1 -4]	(1 7 0)	(1 3 1)	1.270	2.484	0.51	23.6	41.1
[7 -1 7]	(1 7 0)	(2 0 -2)	1.270	2.445	0.52	78.1	31.9
[7 -1 -14]	(1 7 0)	(2 0 1)	1.270	2.425	0.52	76.2	15.3
[7 -1 -2]	(1 7 0)	(1 1 3)	1.270	2.421	0.52	66.1	57.1
[7 -1 2]	(1 7 0)	(1 3 -2)	1.270	2.383	0.53	32.3	70.5
[7 -1 5]	(1 7 0)	(1 -3 -2)	1.270	2.372	0.54	48.4	42.1
[7 -1 16]	(1 7 0)	(2 -2 -1)	1.270	2.277	0.56	73.8	14.5
[7 -1 12]	(1 7 0)	(2 2 -1)	1.270	2.276	0.56	46.8	19.2
[7 -1 -5]	(1 7 0)	(1 -3 2)	1.270	2.235	0.57	54.3	35.6
[7 -1 -4]	(1 7 0)	(0 4 -1)	1.270	2.231	0.57	21.0	41.1
[7 -1 -2]	(1 7 0)	(1 3 2)	1.270	2.219	0.57	34.0	57.1
[14 -2 3]	(1 7 0)	(1 1 -4)	1.270	2.203	0.58	72.9	77.1
[7 -1 2]	(1 7 0)	(1 -1 -4)	1.270	2.196	0.58	80.2	70.5
[7 -1 -7]	(1 7 0)	(2 0 2)	1.270	2.148	0.59	77.2	27.8
[7 -1 -16]	(1 7 0)	(2 -2 1)	1.270	2.148	0.59	76.0	13.6
[7 -1 -12]	(1 7 0)	(2 2 1)	1.270	2.140	0.59	48.4	17.6
[14 -2 -1]	(1 7 0)	(0 2 -4)	1.270	2.090	0.61	66.3	74.8
[14 -2 1]	(1 7 0)	(0 2 4)	1.270	2.076	0.61	61.4	88.8
[7 -1 -2]	(1 7 0)	(1 -1 4)	1.270	1.979	0.64	85.5	57.1
[14 -2 -3]	(1 7 0)	(1 1 4)	1.270	1.973	0.64	70.2	62.4
[7 -1 4]	(1 7 0)	(2 2 -3)	1.270	1.965	0.65	55.1	49.4
[14 -2 7]	(1 7 0)	(2 0 -4)	1.270	1.890	0.67	81.9	53.8
[7 -1 1]	(1 7 0)	(1 3 -4)	1.270	1.826	0.70	50.9	84.0
[14 -2 5]	(1 7 0)	(1 -3 -4)	1.270	1.814	0.70	58.3	64.3
[0 0 1]	(1 7 0)	(1 -5 0)	1.270	1.733	0.73	33.4	0.0
[7 -1 20]	(1 7 0)	(3 1 -1)	1.270	1.730	0.73	65.3	11.6

Talc-Triclinic (170) 190 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[7 -1 18]	(1 7 0)	(2 -4 -1)	1.270	1.727	0.74	54.8	12.9
[7 -1 -4]	(1 7 0)	(2 2 3)	1.270	1.727	0.74	56.5	41.1
[0 0 1]	(1 7 0)	(2 -4 0)	1.270	1.726	0.74	55.4	0.0
[7 -1 10]	(1 7 0)	(2 4 -1)	1.270	1.726	0.74	27.9	23.0
[0 0 1]	(1 7 0)	(2 4 0)	1.270	1.722	0.74	27.1	0.0
[7 -1 12]	(1 7 0)	(1 -5 -1)	1.270	1.717	0.74	33.4	19.2
[0 0 1]	(1 7 0)	(3 -1 0)	1.270	1.713	0.74	86.5	0.0
[0 0 1]	(1 7 0)	(3 1 0)	1.270	1.712	0.74	65.0	0.0
[14 -2 -5]	(1 7 0)	(1 -3 4)	1.270	1.694	0.75	64.8	52.3
[7 -1 10]	(1 7 0)	(3 1 -2)	1.270	1.691	0.75	66.4	23.0
[7 -1 11]	(1 7 0)	(3 -1 -2)	1.270	1.691	0.75	87.5	20.9
[7 -1 -12]	(1 7 0)	(1 -5 1)	1.270	1.691	0.75	36.2	17.6
[7 -1 -1]	(1 7 0)	(1 3 4)	1.270	1.681	0.76	49.9	68.4
[7 -1 5]	(1 7 0)	(2 4 -2)	1.270	1.674	0.76	31.9	42.1
[7 -1 9]	(1 7 0)	(2 -4 -2)	1.270	1.671	0.76	55.5	25.4
[7 -1 -18]	(1 7 0)	(2 -4 1)	1.270	1.670	0.76	57.2	12.1
[7 -1 -10]	(1 7 0)	(2 4 1)	1.270	1.662	0.76	29.9	20.7
[7 -1 1]	(1 7 0)	(1 5 -2)	1.270	1.654	0.77	20.6	84.0
[7 -1 6]	(1 7 0)	(1 -5 -2)	1.270	1.647	0.77	36.0	36.4
[7 -1 -20]	(1 7 0)	(3 1 1)	1.270	1.641	0.77	65.6	11.0
[14 -2 -7]	(1 7 0)	(2 0 4)	1.270	1.625	0.78	79.4	44.4
[7 -1 -6]	(1 7 0)	(1 -5 2)	1.270	1.603	0.79	40.8	31.2
[7 -1 -1]	(1 7 0)	(1 5 2)	1.270	1.593	0.80	21.2	68.4
[7 -1 2]	(1 7 0)	(1 -3 -5)	1.270	1.579	0.80	62.3	70.5
[7 -1 6]	(1 7 0)	(2 -4 -3)	1.270	1.574	0.81	57.3	36.4
[7 -1 -9]	(1 7 0)	(2 -4 2)	1.270	1.573	0.81	59.8	22.6
[7 -1 -5]	(1 7 0)	(2 4 2)	1.270	1.563	0.81	34.6	35.6
[7 -1 4]	(1 7 0)	(1 -5 -3)	1.270	1.542	0.82	40.1	49.4
[7 -1 1]	(1 7 0)	(1 1 -6)	1.270	1.539	0.83	79.0	84.0
[7 -1 -11]	(1 7 0)	(3 -1 2)	1.270	1.538	0.83	86.1	19.0
[7 -1 -10]	(1 7 0)	(3 1 2)	1.270	1.535	0.83	66.8	20.7
[7 -1 18]	(1 7 0)	(3 3 -1)	1.270	1.526	0.83	46.2	12.9
[7 -1 9]	(1 7 0)	(3 3 -2)	1.270	1.500	0.85	47.7	25.4
[7 -1 12]	(1 7 0)	(3 -3 -2)	1.270	1.499	0.85	73.8	19.2
[7 -1 5]	(1 7 0)	(3 1 -4)	1.270	1.492	0.85	70.2	42.1
[14 -2 11]	(1 7 0)	(3 -1 -4)	1.270	1.490	0.85	88.6	39.1
[7 -1 -4]	(1 7 0)	(1 -5 3)	1.270	1.488	0.85	45.9	41.1
[7 -1 -2]	(1 7 0)	(1 -3 5)	1.270	1.479	0.86	68.6	57.1
[7 -1 -18]	(1 7 0)	(3 3 1)	1.270	1.462	0.87	47.4	12.1
[14 -2 5]	(1 7 0)	(2 4 -4)	1.270	1.462	0.87	43.3	64.3
[7 -1 -3]	(1 7 0)	(0 6 -2)	1.270	1.457	0.87	24.4	48.1
[14 -2 9]	(1 7 0)	(2 -4 -4)	1.270	1.455	0.87	59.6	45.5
[7 -1 -6]	(1 7 0)	(2 -4 3)	1.270	1.454	0.87	62.8	31.2
[7 -1 3]	(1 7 0)	(0 6 2)	1.270	1.450	0.88	21.0	58.8
[14 -2 1]	(1 7 0)	(1 5 -4)	1.270	1.430	0.89	37.2	88.8
[7 -1 3]	(1 7 0)	(1 -5 -4)	1.270	1.421	0.89	44.6	58.8
[7 -1 -1]	(1 7 0)	(1 1 6)	1.270	1.416	0.90	75.1	68.4
[7 -1 -12]	(1 7 0)	(3 -3 2)	1.270	1.391	0.91	76.6	17.6

Talc-Triclinic (170) 190 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[7 -1 -9]	(1 7 0)	(3 3 2)	1.270	1.385	0.92	49.6	22.6
[7 -1 4]	(1 7 0)	(3 1 -5)	1.270	1.369	0.93	72.2	49.4
[7 -1 -3]	(1 7 0)	(1 -5 4)	1.270	1.365	0.93	50.8	48.1
[14 -2 9]	(1 7 0)	(3 3 -4)	1.270	1.356	0.94	53.5	45.5
[14 -2 -1]	(1 7 0)	(1 5 4)	1.270	1.354	0.94	36.4	74.8
[7 -1 6]	(1 7 0)	(3 -3 -4)	1.270	1.353	0.94	74.7	36.4
[7 -1 2]	(1 7 0)	(2 4 -5)	1.270	1.339	0.95	48.7	70.5
[14 -2 -9]	(1 7 0)	(2 -4 4)	1.270	1.331	0.95	65.6	38.2
[14 -2 -5]	(1 7 0)	(2 4 4)	1.270	1.321	0.96	44.9	52.3
[7 -1 20]	(1 7 0)	(2 -6 -1)	1.270	1.321	0.96	43.9	11.6
[7 -1 -20]	(1 7 0)	(2 -6 1)	1.270	1.296	0.98	46.0	11.0
[14 -2 -11]	(1 7 0)	(3 -1 4)	1.270	1.294	0.98	86.0	33.3
[7 -1 -5]	(1 7 0)	(3 1 4)	1.270	1.292	0.98	69.9	35.6
[14 -2 -3]	(1 7 0)	(0 6 -4)	1.270	1.284	0.99	37.8	62.4
[14 -2 3]	(1 7 0)	(0 6 4)	1.270	1.275	1.00	33.6	77.1
[0 0 1]	(1 7 0)	(1 -7 0)	1.270	1.272	1.00	28.1	0.0
[7 -1 16]	(1 7 0)	(3 5 -1)	1.270	1.270	1.00	32.4	14.5
[7 -1 2]	(1 7 0)	(2 0 -7)	1.270	1.270	1.00	85.6	70.5
[0 0 1]	(1 7 0)	(3 -5 0)	1.270	1.265	1.00	60.6	0.0
[7 -1 14]	(1 7 0)	(1 -7 -1)	1.270	1.265	1.00	28.0	16.5
[0 0 1]	(1 7 0)	(3 5 0)	1.270	1.262	1.01	32.3	0.0
[7 -1 15]	(1 7 0)	(4 -2 -2)	1.270	1.261	1.01	87.6	15.5
[7 -1 13]	(1 7 0)	(4 2 -2)	1.270	1.261	1.01	60.6	17.8
[0 0 1]	(1 7 0)	(4 -2 0)	1.270	1.258	1.01	88.3	0.0
[0 0 1]	(1 7 0)	(4 2 0)	1.270	1.256	1.01	59.9	0.0
[7 -1 -14]	(1 7 0)	(1 -7 1)	1.270	1.256	1.01	30.2	15.3
[7 -1 8]	(1 7 0)	(3 5 -2)	1.270	1.255	1.01	34.1	28.3
[7 -1 13]	(1 7 0)	(3 -5 -2)	1.270	1.255	1.01	60.1	17.8
[7 -1 7]	(1 7 0)	(1 -7 -2)	1.270	1.236	1.03	29.7	31.9
[7 -1 -16]	(1 7 0)	(3 5 1)	1.270	1.232	1.03	33.8	13.6
[7 -1 10]	(1 7 0)	(4 -2 -3)	1.270	1.229	1.03	87.3	23.0
[7 -1 -7]	(1 7 0)	(1 -7 2)	1.270	1.219	1.04	33.6	27.8
[7 -1 3]	(1 7 0)	(2 -4 -6)	1.270	1.215	1.05	64.2	58.8
[7 -1 -2]	(1 7 0)	(2 4 5)	1.270	1.205	1.05	49.3	57.1
[7 -1 -6]	(1 7 0)	(3 -3 4)	1.270	1.204	1.05	79.1	31.2
[14 -2 -9]	(1 7 0)	(3 3 4)	1.270	1.198	1.06	55.1	38.2
[7 -1 0]	(1 7 0)	(1 7 -3)	1.270	1.195	1.06	22.5	81.7
[7 -1 2]	(1 7 0)	(1 -5 -6)	1.270	1.184	1.07	52.8	70.5
[14 -2 13]	(1 7 0)	(4 2 -4)	1.270	1.182	1.08	63.3	34.0
[14 -2 15]	(1 7 0)	(4 -2 -4)	1.270	1.181	1.08	87.1	30.0
[7 -1 -4]	(1 7 0)	(3 1 5)	1.270	1.178	1.08	71.4	41.1
[7 -1 -15]	(1 7 0)	(4 -2 2)	1.270	1.174	1.08	89.1	14.4
[7 -1 -13]	(1 7 0)	(4 2 2)	1.270	1.171	1.08	61.4	16.4
[7 -1 1]	(1 7 0)	(1 -1 -8)	1.270	1.169	1.09	83.5	84.0
[7 -1 4]	(1 7 0)	(3 5 -4)	1.270	1.168	1.09	40.5	49.4
[7 -1 3]	(1 7 0)	(3 3 -6)	1.270	1.167	1.09	59.9	58.8
[14 -2 13]	(1 7 0)	(3 -5 -4)	1.270	1.165	1.09	61.7	34.0
[7 -1 4]	(1 7 0)	(3 -3 -6)	1.270	1.163	1.09	76.2	49.4

Talc-Triclinic (170) 190 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[7 -1 0]	(1 7 0)	(1 7 3)	1.270	1.158	1.10	21.8	81.7
[7 -1 0]	(1 7 0)	(1 7 -4)	1.270	1.138	1.12	29.1	81.7
[7 -1 -2]	(1 7 0)	(1 -5 6)	1.270	1.135	1.12	59.0	57.1
[14 -2 7]	(1 7 0)	(1 -7 -4)	1.270	1.131	1.12	36.3	53.8
[7 -1 -2]	(1 7 0)	(2 0 7)	1.270	1.123	1.13	81.8	57.1
[7 -1 6]	(1 7 0)	(4 -2 -5)	1.270	1.121	1.13	86.9	36.4
[7 -1 4]	(1 7 0)	(2 -6 -5)	1.270	1.116	1.14	50.9	49.4
[7 -1 -10]	(1 7 0)	(4 -2 3)	1.270	1.113	1.14	89.4	20.7
[7 -1 -3]	(1 7 0)	(2 -4 6)	1.270	1.107	1.15	70.6	48.1
[14 -2 -7]	(1 7 0)	(1 -7 4)	1.270	1.104	1.15	41.9	44.4
[14 -2 1]	(1 7 0)	(1 3 -8)	1.270	1.103	1.15	68.9	88.8
[7 -1 -1]	(1 7 0)	(1 -1 8)	1.270	1.099	1.16	88.7	68.4
[7 -1 0]	(1 7 0)	(1 7 4)	1.270	1.096	1.16	27.9	81.7
[7 -1 0]	(1 7 0)	(1 7 -5)	1.270	1.073	1.18	35.0	81.7
[14 -2 -13]	(1 7 0)	(3 -5 4)	1.270	1.067	1.19	66.8	29.4
[7 -1 -4]	(1 7 0)	(3 5 4)	1.270	1.061	1.20	43.1	41.1
[7 -1 5]	(1 7 0)	(4 -2 -6)	1.270	1.056	1.20	86.8	42.1
[0 0 1]	(1 7 0)	(2 -8 0)	1.270	1.051	1.21	37.8	0.0
[7 -1 14]	(1 7 0)	(3 7 -1)	1.270	1.051	1.21	22.9	16.5
[0 0 1]	(1 7 0)	(3 -7 0)	1.270	1.049	1.21	51.0	0.0
[7 -1 18]	(1 7 0)	(5 -1 -2)	1.270	1.048	1.21	82.8	12.9
[7 -1 17]	(1 7 0)	(5 1 -2)	1.270	1.048	1.21	69.7	13.6
[14 -2 -15]	(1 7 0)	(4 -2 4)	1.270	1.047	1.21	89.7	26.3
[0 0 1]	(1 7 0)	(3 7 0)	1.270	1.046	1.21	22.8	0.0
[7 -1 -4]	(1 7 0)	(2 -6 5)	1.270	1.046	1.21	57.3	41.1
[14 -2 -13]	(1 7 0)	(4 2 4)	1.270	1.044	1.22	64.1	29.4
[7 -1 7]	(1 7 0)	(3 7 -2)	1.270	1.043	1.22	24.7	31.9
[7 -1 14]	(1 7 0)	(3 -7 -2)	1.270	1.042	1.22	50.6	16.5
[14 -2 5]	(1 7 0)	(3 1 -8)	1.270	1.041	1.22	77.5	64.3
[0 0 1]	(1 7 0)	(5 -1 0)	1.270	1.039	1.22	82.3	0.0
[0 0 1]	(1 7 0)	(5 1 0)	1.270	1.039	1.22	69.3	0.0
[7 -1 11]	(1 7 0)	(2 -8 -2)	1.270	1.037	1.22	37.8	20.9
[14 -2 -1]	(1 7 0)	(1 3 8)	1.270	1.037	1.22	65.3	74.8
[7 -1 12]	(1 7 0)	(5 -1 -3)	1.270	1.033	1.23	83.2	19.2
[7 -1 0]	(1 7 0)	(1 7 5)	1.270	1.030	1.23	33.4	81.7
[7 -1 -14]	(1 7 0)	(3 7 1)	1.270	1.029	1.23	24.3	15.3
[7 -1 -8]	(1 7 0)	(4 4 3)	1.270	1.023	1.24	50.3	25.0
[7 -1 -3]	(1 7 0)	(3 3 6)	1.270	1.019	1.25	60.3	48.1
[7 -1 -11]	(1 7 0)	(2 -8 2)	1.270	1.014	1.25	41.1	19.0
[7 -1 4]	(1 7 0)	(4 0 -7)	1.270	1.014	1.25	81.0	49.4
[14 -2 17]	(1 7 0)	(5 1 -4)	1.270	1.007	1.26	71.1	26.7
[7 -1 9]	(1 7 0)	(5 -1 -4)	1.270	1.007	1.26	83.6	25.4
[7 -1 0]	(1 7 0)	(1 7 -6)	1.270	1.007	1.26	40.2	81.7
[7 -1 -14]	(1 7 0)	(3 -7 2)	1.270	1.005	1.26	53.6	15.3
[0 0 1]	(1 7 0)	(1 -9 0)	1.270	1.001	1.27	25.1	0.0
[7 -1 -7]	(1 7 0)	(3 7 2)	1.270	1.000	1.27	27.0	27.8

Talc-Triclinic (350) 252 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 -3 0]	(3 5 0)	(0 0 1)	1.262	9.351	0.13	83.4	84.3
[0 0 1]	(3 5 0)	(0 2 0)	1.262	4.586	0.28	46.4	0.0
[0 0 1]	(3 5 0)	(1 -1 0)	1.262	4.548	0.28	73.2	0.0
[5 -3 2]	(3 5 0)	(1 1 -1)	1.262	4.318	0.29	29.4	68.3
[5 -3 8]	(3 5 0)	(1 -1 -1)	1.262	4.312	0.29	77.2	27.8
[5 -3 -6]	(3 5 0)	(0 2 -1)	1.262	4.131	0.31	55.2	32.2
[5 -3 6]	(3 5 0)	(0 2 1)	1.262	4.104	0.31	48.1	35.6
[5 -3 -8]	(3 5 0)	(1 -1 1)	1.262	3.900	0.32	72.8	25.6
[5 -3 -2]	(3 5 0)	(1 1 1)	1.262	3.882	0.33	28.5	59.2
[5 -3 1]	(3 5 0)	(1 1 -2)	1.262	3.501	0.36	48.5	81.5
[5 -3 4]	(3 5 0)	(1 -1 -2)	1.262	3.490	0.36	82.2	48.1
[5 -3 -3]	(3 5 0)	(0 2 -2)	1.262	3.288	0.38	65.6	49.8
[5 -3 3]	(3 5 0)	(0 2 2)	1.262	3.261	0.39	55.2	57.1
[5 -3 -4]	(3 5 0)	(1 -1 2)	1.262	3.071	0.41	74.3	42.4
[5 -3 -1]	(3 5 0)	(1 1 2)	1.262	3.057	0.41	43.2	70.8
[15 -9 2]	(3 5 0)	(1 1 -3)	1.262	2.748	0.46	60.9	86.2
[15 -9 8]	(3 5 0)	(1 -1 -3)	1.262	2.739	0.46	85.8	60.5
[0 0 1]	(3 5 0)	(1 -3 0)	1.262	2.643	0.48	76.7	0.0
[5 -3 10]	(3 5 0)	(2 0 -1)	1.262	2.623	0.48	45.9	22.6
[0 0 1]	(3 5 0)	(2 0 0)	1.262	2.615	0.48	43.5	0.0
[5 -3 -4]	(3 5 0)	(1 3 -1)	1.262	2.594	0.49	24.0	42.4
[5 -3 14]	(3 5 0)	(1 -3 -1)	1.262	2.590	0.49	75.1	16.4
[5 -3 -2]	(3 5 0)	(0 2 -3)	1.262	2.588	0.49	72.9	59.2
[5 -3 2]	(3 5 0)	(0 2 3)	1.262	2.568	0.49	61.2	68.3
[5 -3 -14]	(3 5 0)	(1 -3 1)	1.262	2.498	0.51	79.3	15.7
[5 -3 4]	(3 5 0)	(1 3 1)	1.262	2.484	0.51	20.6	48.1
[5 -3 5]	(3 5 0)	(2 0 -2)	1.262	2.445	0.52	51.8	41.1
[15 -9 -8]	(3 5 0)	(1 -1 3)	1.262	2.431	0.52	75.9	52.7
[5 -3 -10]	(3 5 0)	(2 0 1)	1.262	2.425	0.52	45.3	21.2
[15 -9 -2]	(3 5 0)	(1 1 3)	1.262	2.421	0.52	52.6	75.2
[5 -3 -2]	(3 5 0)	(1 3 -2)	1.262	2.383	0.53	35.9	59.2
[5 -3 7]	(3 5 0)	(1 -3 -2)	1.262	2.372	0.53	74.7	31.3
[5 -3 16]	(3 5 0)	(2 -2 -1)	1.262	2.277	0.55	74.8	14.4
[5 -3 -7]	(3 5 0)	(1 -3 2)	1.262	2.235	0.56	82.0	28.6
[5 -3 -12]	(3 5 0)	(0 4 -1)	1.262	2.231	0.57	49.9	18.0
[5 -3 12]	(3 5 0)	(0 4 1)	1.262	2.223	0.57	45.9	19.0
[5 -3 2]	(3 5 0)	(1 3 2)	1.262	2.219	0.57	30.3	68.3
[10 -6 1]	(3 5 0)	(1 1 -4)	1.262	2.203	0.57	68.7	88.6
[5 -3 2]	(3 5 0)	(1 -1 -4)	1.262	2.196	0.57	88.2	68.3
[15 -9 10]	(3 5 0)	(2 0 -3)	1.262	2.171	0.58	58.5	53.8
[5 -3 -5]	(3 5 0)	(2 0 2)	1.262	2.148	0.59	49.5	36.7
[5 -3 -16]	(3 5 0)	(2 -2 1)	1.262	2.148	0.59	72.6	13.8
[15 -9 -4]	(3 5 0)	(1 3 -3)	1.262	2.101	0.60	46.5	66.7
[10 -6 -3]	(3 5 0)	(0 2 -4)	1.262	2.090	0.60	77.8	64.7
[15 -9 14]	(3 5 0)	(1 -3 -3)	1.262	2.088	0.60	75.0	43.2
[10 -6 3]	(3 5 0)	(0 2 4)	1.262	2.076	0.61	65.5	74.7
[5 -3 -2]	(3 5 0)	(1 -1 4)	1.262	1.979	0.64	77.1	59.2
[10 -6 -1]	(3 5 0)	(1 1 4)	1.262	1.973	0.64	58.7	77.4

Talc-Triclinic (350) 252 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[15 -9 4]	(3 5 0)	(2 2 -3)	1.262	1.965	0.64	39.8	76.9
[15 -9 16]	(3 5 0)	(2 -2 -3)	1.262	1.960	0.64	79.8	39.1
[15 -9 -14]	(3 5 0)	(1 -3 3)	1.262	1.950	0.65	84.4	38.5
[15 -9 4]	(3 5 0)	(1 3 3)	1.262	1.935	0.65	39.1	76.9
[10 -6 5]	(3 5 0)	(2 0 -4)	1.262	1.890	0.67	64.4	62.4
[15 -9 -10]	(3 5 0)	(2 0 3)	1.262	1.869	0.68	54.0	47.1
[5 -3 -4]	(3 5 0)	(0 4 -3)	1.262	1.855	0.68	60.7	42.4
[5 -3 4]	(3 5 0)	(0 4 3)	1.262	1.840	0.69	51.6	48.1
[5 -3 -1]	(3 5 0)	(1 3 -4)	1.262	1.826	0.69	54.8	70.8
[10 -6 7]	(3 5 0)	(1 -3 -4)	1.262	1.814	0.70	75.7	52.3
[15 -9 -16]	(3 5 0)	(2 -2 3)	1.262	1.735	0.73	73.5	35.1
[0 0 1]	(3 5 0)	(1 -5 0)	1.262	1.733	0.73	65.7	0.0
[5 -3 18]	(3 5 0)	(3 -1 -1)	1.262	1.731	0.73	55.3	12.8
[5 -3 12]	(3 5 0)	(3 1 -1)	1.262	1.730	0.73	34.0	19.0
[0 0 1]	(3 5 0)	(1 5 0)	1.262	1.730	0.73	27.1	0.0
[15 -9 -4]	(3 5 0)	(2 2 3)	1.262	1.727	0.73	36.6	66.7
[0 0 1]	(3 5 0)	(2 -4 0)	1.262	1.726	0.73	87.7	0.0
[5 -3 -10]	(3 5 0)	(1 5 -1)	1.262	1.719	0.73	30.3	21.2
[5 -3 20]	(3 5 0)	(1 -5 -1)	1.262	1.717	0.74	64.6	11.5
[0 0 1]	(3 5 0)	(3 -1 0)	1.262	1.713	0.74	54.2	0.0
[0 0 1]	(3 5 0)	(3 1 0)	1.262	1.712	0.74	32.7	0.0
[10 -6 -7]	(3 5 0)	(1 -3 4)	1.262	1.694	0.74	86.3	45.9
[5 -3 6]	(3 5 0)	(3 1 -2)	1.262	1.691	0.75	37.8	35.6
[5 -3 9]	(3 5 0)	(3 -1 -2)	1.262	1.691	0.75	57.6	25.0
[5 -3 -20]	(3 5 0)	(1 -5 1)	1.262	1.691	0.75	67.6	11.2
[5 -3 10]	(3 5 0)	(1 5 1)	1.262	1.683	0.75	27.4	22.6
[5 -3 1]	(3 5 0)	(1 3 4)	1.262	1.681	0.75	45.9	81.5
[5 -3 -1]	(3 5 0)	(2 4 -2)	1.262	1.674	0.75	22.0	70.8
[5 -3 11]	(3 5 0)	(2 -4 -2)	1.262	1.671	0.76	85.4	20.7
[5 -3 -5]	(3 5 0)	(1 5 -2)	1.262	1.654	0.76	35.8	36.7
[5 -3 10]	(3 5 0)	(1 -5 -2)	1.262	1.647	0.77	64.4	22.6
[5 -3 -18]	(3 5 0)	(3 -1 1)	1.262	1.643	0.77	54.5	12.4
[5 -3 2]	(3 5 0)	(2 0 -5)	1.262	1.643	0.77	69.2	68.3
[5 -3 -12]	(3 5 0)	(3 1 1)	1.262	1.641	0.77	34.2	18.0
[10 -6 -5]	(3 5 0)	(2 0 4)	1.262	1.625	0.78	57.9	54.2
[5 -3 4]	(3 5 0)	(3 1 -3)	1.262	1.605	0.79	43.1	48.1
[5 -3 6]	(3 5 0)	(3 -1 -3)	1.262	1.604	0.79	60.8	35.6
[5 -3 -10]	(3 5 0)	(1 -5 2)	1.262	1.603	0.79	70.1	21.2
[5 -3 5]	(3 5 0)	(1 5 2)	1.262	1.593	0.79	30.8	41.1
[15 -9 -2]	(3 5 0)	(2 4 -3)	1.262	1.579	0.80	31.2	75.2
[5 -3 -11]	(3 5 0)	(2 -4 2)	1.262	1.573	0.80	89.9	19.5
[15 -9 -10]	(3 5 0)	(1 5 -3)	1.262	1.551	0.81	42.2	47.1
[15 -9 20]	(3 5 0)	(1 -5 -3)	1.262	1.542	0.82	65.0	32.6
[15 -9 1]	(3 5 0)	(1 1 -6)	1.262	1.539	0.82	77.5	89.1
[5 -3 -9]	(3 5 0)	(3 -1 2)	1.262	1.538	0.82	55.8	23.2
[15 -9 4]	(3 5 0)	(1 -1 -6)	1.262	1.536	0.82	89.1	76.9
[5 -3 -6]	(3 5 0)	(3 1 2)	1.262	1.535	0.82	37.6	32.2
[5 -3 -18]	(3 5 0)	(0 6 -1)	1.262	1.511	0.84	48.5	12.4

Talc-Triclinic (350) 252 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 -3 18]	(3 5 0)	(0 6 1)	1.262	1.507	0.84	45.7	12.8
[5 -3 3]	(3 5 0)	(3 3 -2)	1.262	1.500	0.84	22.2	57.1
[5 -3 12]	(3 5 0)	(3 -3 -2)	1.262	1.499	0.84	75.6	19.0
[5 -3 3]	(3 5 0)	(3 1 -4)	1.262	1.492	0.85	48.7	57.1
[10 -6 9]	(3 5 0)	(3 -1 -4)	1.262	1.490	0.85	64.2	44.4
[15 -9 -20]	(3 5 0)	(1 -5 3)	1.262	1.488	0.85	72.7	29.7
[5 -3 -1]	(3 5 0)	(0 2 -6)	1.262	1.479	0.85	83.5	70.8
[15 -9 10]	(3 5 0)	(1 5 3)	1.262	1.477	0.85	35.4	53.8
[5 -3 1]	(3 5 0)	(0 2 6)	1.262	1.472	0.86	70.7	81.5
[10 -6 -1]	(3 5 0)	(2 4 -4)	1.262	1.462	0.86	39.3	77.4
[5 -3 -9]	(3 5 0)	(0 6 -2)	1.262	1.457	0.87	51.6	23.2
[10 -6 11]	(3 5 0)	(2 -4 -4)	1.262	1.455	0.87	84.0	38.2
[5 -3 9]	(3 5 0)	(0 6 2)	1.262	1.450	0.87	46.4	25.0
[15 -9 2]	(3 5 0)	(2 4 3)	1.262	1.444	0.87	27.3	86.2
[15 -9 5]	(3 5 0)	(2 0 -6)	1.262	1.438	0.88	73.0	72.5
[10 -6 -5]	(3 5 0)	(1 5 -4)	1.262	1.430	0.88	48.2	54.2
[5 -3 -2]	(3 5 0)	(2 0 5)	1.262	1.423	0.89	61.2	59.2
[5 -3 5]	(3 5 0)	(1 -5 -4)	1.262	1.421	0.89	66.0	41.1
[15 -9 -4]	(3 5 0)	(1 -1 6)	1.262	1.420	0.89	78.8	66.7
[15 -9 -1]	(3 5 0)	(1 1 6)	1.262	1.416	0.89	65.9	79.7
[5 -3 -6]	(3 5 0)	(3 -1 3)	1.262	1.416	0.89	57.6	32.2
[5 -3 -4]	(3 5 0)	(3 1 3)	1.262	1.414	0.89	41.7	42.4
[15 -9 -2]	(3 5 0)	(1 3 -6)	1.262	1.393	0.91	66.1	75.2
[5 -3 -12]	(3 5 0)	(3 -3 2)	1.262	1.391	0.91	72.6	18.0
[5 -3 -3]	(3 5 0)	(3 3 2)	1.262	1.385	0.91	22.6	49.8
[15 -9 7]	(3 5 0)	(1 -3 -6)	1.262	1.385	0.91	77.1	64.3
[5 -3 -5]	(3 5 0)	(1 -5 4)	1.262	1.365	0.92	75.1	36.7
[10 -6 3]	(3 5 0)	(3 3 -4)	1.262	1.356	0.93	36.5	74.7
[10 -6 5]	(3 5 0)	(1 5 4)	1.262	1.354	0.93	40.2	62.4
[5 -3 6]	(3 5 0)	(3 -3 -4)	1.262	1.353	0.93	79.0	35.6
[10 -6 -11]	(3 5 0)	(2 -4 4)	1.262	1.331	0.95	88.0	34.3
[5 -3 20]	(3 5 0)	(4 0 -1)	1.262	1.322	0.95	44.1	11.5
[10 -6 1]	(3 5 0)	(2 4 4)	1.262	1.321	0.96	34.0	88.6
[5 -3 -2]	(3 5 0)	(1 5 -5)	1.262	1.308	0.96	53.6	59.2
[15 -9 -7]	(3 5 0)	(1 -3 6)	1.262	1.304	0.97	89.0	55.8
[5 -3 4]	(3 5 0)	(1 -5 -5)	1.262	1.299	0.97	67.2	48.1
[15 -9 2]	(3 5 0)	(1 3 6)	1.262	1.295	0.97	55.4	86.2
[10 -6 -9]	(3 5 0)	(3 -1 4)	1.262	1.294	0.97	59.7	39.4
[5 -3 -3]	(3 5 0)	(3 1 4)	1.262	1.292	0.98	45.7	49.8
[10 -6 -9]	(3 5 0)	(0 6 -4)	1.262	1.284	0.98	58.9	39.4
[15 -9 20]	(3 5 0)	(4 0 -3)	1.262	1.276	0.99	48.6	32.6
[10 -6 9]	(3 5 0)	(0 6 4)	1.262	1.275	0.99	50.4	44.4
[0 0 1]	(3 5 0)	(1 -7 0)	1.262	1.272	0.99	60.5	0.0
[0 0 1]	(3 5 0)	(1 7 0)	1.262	1.270	0.99	32.3	0.0
[5 -3 14]	(3 5 0)	(4 2 -1)	1.262	1.270	0.99	28.3	16.4
[5 -3 -20]	(3 5 0)	(4 0 1)	1.262	1.269	0.99	43.9	11.2
[5 -3 -16]	(3 5 0)	(1 7 -1)	1.262	1.266	1.00	34.2	13.8
[0 0 1]	(3 5 0)	(3 -5 0)	1.262	1.265	1.00	87.1	0.0

Talc-Triclinic (350) 252 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 -3 13]	(3 5 0)	(4 -2 -2)	1.262	1.261	1.00	61.4	17.6
[5 -3 7]	(3 5 0)	(4 2 -2)	1.262	1.261	1.00	30.8	31.3
[0 0 1]	(3 5 0)	(4 -2 0)	1.262	1.258	1.00	59.4	0.0
[15 -9 -5]	(3 5 0)	(2 0 6)	1.262	1.258	1.00	63.8	62.8
[0 0 1]	(3 5 0)	(4 2 0)	1.262	1.256	1.00	27.6	0.0
[5 -3 15]	(3 5 0)	(3 -5 -2)	1.262	1.255	1.01	88.9	15.3
[15 -9 -8]	(3 5 0)	(2 6 -3)	1.262	1.252	1.01	30.0	52.7
[5 -3 16]	(3 5 0)	(1 7 1)	1.262	1.251	1.01	32.0	14.4
[5 -3 2]	(3 5 0)	(3 1 -6)	1.262	1.249	1.01	58.5	68.3
[5 -3 3]	(3 5 0)	(3 -1 -6)	1.262	1.248	1.01	70.5	57.1
[5 -3 -4]	(3 5 0)	(1 -5 5)	1.262	1.245	1.01	77.4	42.4
[5 -3 -8]	(3 5 0)	(1 7 -2)	1.262	1.240	1.02	37.4	25.6
[5 -3 13]	(3 5 0)	(1 -7 -2)	1.262	1.236	1.02	59.4	17.6
[5 -3 2]	(3 5 0)	(1 5 5)	1.262	1.235	1.02	44.6	68.3
[15 -9 14]	(3 5 0)	(4 2 -3)	1.262	1.230	1.03	34.7	43.2
[5 -3 2]	(3 5 0)	(1 -3 -7)	1.262	1.227	1.03	77.8	68.3
[5 -3 -14]	(3 5 0)	(4 2 1)	1.262	1.222	1.03	28.7	15.7
[15 -9 -1]	(3 5 0)	(2 4 -6)	1.262	1.221	1.03	51.9	79.7
[5 -3 0]	(3 5 0)	(3 5 -3)	1.262	1.219	1.03	22.9	84.3
[5 -3 -13]	(3 5 0)	(1 -7 2)	1.262	1.219	1.04	63.7	16.8
[5 -3 10]	(3 5 0)	(3 -5 -3)	1.262	1.217	1.04	89.8	22.6
[15 -9 11]	(3 5 0)	(2 -4 -6)	1.262	1.215	1.04	83.2	50.8
[5 -3 8]	(3 5 0)	(1 7 2)	1.262	1.212	1.04	33.3	27.8
[5 -3 -6]	(3 5 0)	(3 -3 4)	1.262	1.204	1.05	73.2	32.2
[10 -6 -3]	(3 5 0)	(3 3 4)	1.262	1.198	1.05	34.1	64.7
[15 -9 -16]	(3 5 0)	(1 7 -3)	1.262	1.195	1.06	41.3	35.1
[15 -9 -5]	(3 5 0)	(1 5 -6)	1.262	1.193	1.06	58.3	62.8
[5 -3 -15]	(3 5 0)	(3 -5 2)	1.262	1.191	1.06	85.6	14.7
[15 -9 10]	(3 5 0)	(1 -5 -6)	1.262	1.184	1.07	68.4	53.8
[10 -6 7]	(3 5 0)	(4 2 -4)	1.262	1.182	1.07	39.1	52.3
[10 -6 13]	(3 5 0)	(4 -2 -4)	1.262	1.181	1.07	65.2	33.3
[15 -9 8]	(3 5 0)	(2 6 3)	1.262	1.179	1.07	25.4	60.5
[5 -3 -13]	(3 5 0)	(4 -2 2)	1.262	1.174	1.08	59.7	16.8
[5 -3 -7]	(3 5 0)	(4 2 2)	1.262	1.171	1.08	31.2	28.6
[20 -12 1]	(3 5 0)	(1 1 -8)	1.262	1.171	1.08	82.2	87.9
[5 -3 1]	(3 5 0)	(1 -1 -8)	1.262	1.169	1.08	87.7	81.5
[5 -3 0]	(3 5 0)	(3 5 -4)	1.262	1.168	1.08	29.8	84.3
[10 -6 15]	(3 5 0)	(3 -5 -4)	1.262	1.165	1.08	89.4	29.4
[5 -3 -2]	(3 5 0)	(1 -3 7)	1.262	1.160	1.09	89.9	59.2
[15 -9 16]	(3 5 0)	(1 7 3)	1.262	1.158	1.09	35.6	39.1
[5 -3 4]	(3 5 0)	(4 0 -5)	1.262	1.157	1.09	55.2	48.1
[15 -9 -20]	(3 5 0)	(4 0 3)	1.262	1.146	1.10	47.3	29.7
[5 -3 -4]	(3 5 0)	(1 7 -4)	1.262	1.138	1.11	45.5	42.4
[15 -9 -10]	(3 5 0)	(1 -5 6)	1.262	1.135	1.11	79.3	47.1
[20 -12 -3]	(3 5 0)	(0 2 -8)	1.262	1.135	1.11	86.6	74.1
[20 -12 5]	(3 5 0)	(2 0 -8)	1.262	1.133	1.11	78.3	78.0
[5 -3 -10]	(3 5 0)	(3 -5 3)	1.262	1.132	1.11	85.0	21.2
[10 -6 13]	(3 5 0)	(1 -7 -4)	1.262	1.131	1.12	60.4	33.3

Talc-Triclinic (350) 252 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$
[20 -12 3]	(3 5 0)	(0 2 8)	1.262	1.130	1.12	73.7	85.0
[15 -9 5]	(3 5 0)	(1 5 6)	1.262	1.126	1.12	48.5	72.5
[5 -3 0]	(3 5 0)	(3 5 3)	1.262	1.126	1.12	21.0	84.3
[15 -9 8]	(3 5 0)	(4 4 -3)	1.262	1.116	1.13	24.0	60.5
[15 -9 -11]	(3 5 0)	(2 -4 6)	1.262	1.107	1.14	86.8	44.7
[10 -6 -13]	(3 5 0)	(1 -7 4)	1.262	1.104	1.14	68.1	30.3
[10 -6 -1]	(3 5 0)	(1 3 -8)	1.262	1.103	1.14	72.9	77.4
[5 -3 6]	(3 5 0)	(3 -5 -5)	1.262	1.103	1.14	88.7	35.6
[15 -9 1]	(3 5 0)	(2 4 6)	1.262	1.099	1.15	44.2	89.1
[5 -3 -1]	(3 5 0)	(1 -1 8)	1.262	1.099	1.15	79.7	70.8
[20 -12 7]	(3 5 0)	(1 -3 -8)	1.262	1.097	1.15	78.3	71.4
[20 -12 -1]	(3 5 0)	(1 1 8)	1.262	1.097	1.15	70.0	80.8
[5 -3 4]	(3 5 0)	(1 7 4)	1.262	1.096	1.15	38.5	48.1
[5 -3 -8]	(3 5 0)	(0 8 -3)	1.262	1.079	1.17	52.5	25.6
[5 -3 -3]	(3 5 0)	(3 -1 6)	1.262	1.077	1.17	63.5	49.8
[5 -3 -2]	(3 5 0)	(3 1 6)	1.262	1.075	1.17	52.6	59.2
[5 -3 8]	(3 5 0)	(0 8 3)	1.262	1.073	1.18	46.7	27.8
[10 -6 -15]	(3 5 0)	(3 -5 4)	1.262	1.067	1.18	84.5	27.0
[5 -3 0]	(3 5 0)	(3 5 4)	1.262	1.061	1.19	26.8	84.3
[15 -9 7]	(3 5 0)	(4 2 -6)	1.262	1.057	1.19	48.1	64.3
[15 -9 13]	(3 5 0)	(4 -2 -6)	1.262	1.056	1.20	69.5	45.6
[0 0 1]	(3 5 0)	(2 -8 0)	1.262	1.051	1.20	70.1	0.0
[5 -3 -14]	(3 5 0)	(2 8 -1)	1.262	1.050	1.20	24.4	15.7
[0 0 1]	(3 5 0)	(2 8 0)	1.262	1.049	1.20	22.7	0.0
[5 -3 14]	(3 5 0)	(5 -1 -2)	1.262	1.048	1.20	51.5	16.4
[5 -3 11]	(3 5 0)	(5 1 -2)	1.262	1.048	1.20	38.7	20.7
[10 -6 -13]	(3 5 0)	(4 -2 4)	1.262	1.047	1.21	61.6	30.3
[10 -6 -7]	(3 5 0)	(4 2 4)	1.262	1.044	1.21	38.0	45.9
[20 -12 -7]	(3 5 0)	(1 -3 8)	1.262	1.043	1.21	89.3	61.9
[5 -3 18]	(3 5 0)	(3 -7 -2)	1.262	1.042	1.21	81.9	12.8
[5 -3 0]	(3 5 0)	(3 5 -6)	1.262	1.041	1.21	41.6	84.3
[10 -6 3]	(3 5 0)	(3 1 -8)	1.262	1.041	1.21	65.8	74.7
[0 0 1]	(3 5 0)	(5 -1 0)	1.262	1.039	1.21	50.0	0.0
[20 -12 9]	(3 5 0)	(3 -1 -8)	1.262	1.039	1.21	75.4	65.2
[0 0 1]	(3 5 0)	(5 1 0)	1.262	1.039	1.21	37.0	0.0
[5 -3 -7]	(3 5 0)	(2 8 -2)	1.262	1.039	1.21	27.4	28.6
[5 -3 17]	(3 5 0)	(2 -8 -2)	1.262	1.037	1.22	68.8	13.5
[10 -6 1]	(3 5 0)	(1 3 8)	1.262	1.037	1.22	61.3	88.6
[5 -3 5]	(3 5 0)	(3 -5 -6)	1.262	1.036	1.22	88.0	41.1
[5 -3 14]	(3 5 0)	(2 8 1)	1.262	1.035	1.22	22.7	16.4
[15 -9 -8]	(3 5 0)	(4 4 3)	1.262	1.023	1.23	24.1	52.7
[5 -3 -2]	(3 5 0)	(3 7 -3)	1.262	1.022	1.23	22.2	59.2
[5 -3 12]	(3 5 0)	(3 -7 -3)	1.262	1.020	1.24	81.4	19.0
[20 -12 -1]	(3 5 0)	(2 4 -8)	1.262	1.018	1.24	60.7	80.8
[15 -9 -14]	(3 5 0)	(2 8 -3)	1.262	1.015	1.24	31.2	38.5
[15 -9 -2]	(3 5 0)	(0 2 -9)	1.262	1.015	1.24	87.7	75.2
[5 -3 -17]	(3 5 0)	(2 -8 2)	1.262	1.014	1.24	72.3	13.1
[20 -12 11]	(3 5 0)	(2 -4 -8)	1.262	1.013	1.25	82.9	59.6

Talc-Triclinic (350) 252 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$
[20 -12 -5]	(3 5 0)	(2 0 8)	1.262	1.012	1.25	67.6	67.7
[15 -9 2]	(3 5 0)	(0 2 9)	1.262	1.012	1.25	74.7	86.2
[5 -3 7]	(3 5 0)	(2 8 2)	1.262	1.009	1.25	24.2	31.3
[10 -6 11]	(3 5 0)	(5 1 -4)	1.262	1.007	1.25	43.5	38.2
[5 -3 7]	(3 5 0)	(5 -1 -4)	1.262	1.007	1.25	55.0	31.3
[15 -9 -8]	(3 5 0)	(1 7 -6)	1.262	1.007	1.25	53.4	52.7
[5 -3 -18]	(3 5 0)	(3 -7 2)	1.262	1.005	1.26	85.1	12.4
[5 -3 -4]	(3 5 0)	(4 0 5)	1.262	1.003	1.26	51.8	42.4
[5 -3 -6]	(3 5 0)	(3 -5 5)	1.262	1.001	1.26	84.2	32.2
[0 0 1]	(3 5 0)	(1 -9 0)	1.262	1.001	1.26	57.4	0.0

Talc-Triclinic (420) 363 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[1 -2 0]	(4 2 0)	(0 0 1)	1.256	9.351	0.13	81.5	88.0
[0 0 1]	(4 2 0)	(0 2 0)	1.256	4.586	0.27	73.9	0.0
[0 0 1]	(4 2 0)	(1 -1 0)	1.256	4.548	0.28	45.6	0.0
[1 -2 -1]	(4 2 0)	(1 1 -1)	1.256	4.318	0.29	31.1	62.1
[1 -2 3]	(4 2 0)	(1 -1 -1)	1.256	4.312	0.29	53.5	34.5
[1 -2 -4]	(4 2 0)	(0 2 -1)	1.256	4.131	0.30	79.4	26.5
[1 -2 4]	(4 2 0)	(0 2 1)	1.256	4.104	0.31	71.8	27.1
[1 -2 -3]	(4 2 0)	(1 -1 1)	1.256	3.900	0.32	48.6	33.4
[1 -2 1]	(4 2 0)	(1 1 1)	1.256	3.882	0.32	26.9	65.2
[2 -4 -1]	(4 2 0)	(1 1 -2)	1.256	3.501	0.36	50.3	74.3
[2 -4 3]	(4 2 0)	(1 -1 -2)	1.256	3.490	0.36	64.7	54.6
[1 -2 -2]	(4 2 0)	(0 2 -2)	1.256	3.288	0.38	84.6	44.3
[1 -2 2]	(4 2 0)	(0 2 2)	1.256	3.261	0.39	72.6	46.2
[2 -4 -3]	(4 2 0)	(1 -1 2)	1.256	3.071	0.41	55.3	52.2
[2 -4 1]	(4 2 0)	(1 1 2)	1.256	3.057	0.41	41.4	77.9
[3 -6 -1]	(4 2 0)	(1 1 -3)	1.256	2.748	0.46	62.7	78.7
[1 -2 1]	(4 2 0)	(1 -1 -3)	1.256	2.739	0.46	73.0	65.2
[0 0 1]	(4 2 0)	(1 -3 0)	1.256	2.643	0.48	75.7	0.0
[0 0 1]	(4 2 0)	(1 3 0)	1.256	2.636	0.48	43.7	0.0
[1 -2 2]	(4 2 0)	(2 0 -1)	1.256	2.623	0.48	22.6	46.2
[1 -2 -5]	(4 2 0)	(1 3 -1)	1.256	2.594	0.48	47.9	21.8
[1 -2 7]	(4 2 0)	(1 -3 -1)	1.256	2.590	0.49	78.4	16.1
[3 -6 -4]	(4 2 0)	(0 2 -3)	1.256	2.588	0.49	88.1	55.2
[3 -6 4]	(4 2 0)	(0 2 3)	1.256	2.568	0.49	74.0	57.9
[1 -2 -7]	(4 2 0)	(1 -3 1)	1.256	2.498	0.50	74.2	16.0
[1 -2 5]	(4 2 0)	(1 3 1)	1.256	2.484	0.51	43.9	22.2
[1 -2 1]	(4 2 0)	(2 0 -2)	1.256	2.445	0.51	34.7	65.2
[1 -2 -1]	(4 2 0)	(1 -1 3)	1.256	2.431	0.52	60.7	62.1
[1 -2 -2]	(4 2 0)	(2 0 1)	1.256	2.425	0.52	21.5	44.3
[3 -6 1]	(4 2 0)	(1 1 3)	1.256	2.421	0.52	50.7	82.5
[2 -4 -5]	(4 2 0)	(1 3 -2)	1.256	2.383	0.53	54.6	38.2
[2 -4 7]	(4 2 0)	(1 -3 -2)	1.256	2.372	0.53	81.6	30.4
[1 -2 6]	(4 2 0)	(2 -2 -1)	1.256	2.277	0.55	48.4	18.7
[1 -2 -2]	(4 2 0)	(2 2 -1)	1.256	2.276	0.55	20.2	44.3
[2 -4 -7]	(4 2 0)	(1 -3 2)	1.256	2.235	0.56	73.8	29.6
[1 -2 -8]	(4 2 0)	(0 4 -1)	1.256	2.231	0.56	76.5	14.1
[1 -2 8]	(4 2 0)	(0 4 1)	1.256	2.223	0.57	72.4	14.2
[2 -4 5]	(4 2 0)	(1 3 2)	1.256	2.219	0.57	47.3	39.6
[4 -8 -1]	(4 2 0)	(1 1 -4)	1.256	2.203	0.57	70.6	81.0
[4 -8 3]	(4 2 0)	(1 -1 -4)	1.256	2.196	0.57	78.5	71.3
[3 -6 2]	(4 2 0)	(2 0 -3)	1.256	2.171	0.58	45.9	73.5
[1 -2 -1]	(4 2 0)	(2 0 2)	1.256	2.148	0.58	30.9	62.1
[1 -2 -6]	(4 2 0)	(2 -2 1)	1.256	2.148	0.58	46.0	18.5
[3 -6 -5]	(4 2 0)	(1 3 -3)	1.256	2.101	0.60	61.5	49.3
[1 -2 -1]	(4 2 0)	(0 -2 4)	1.256	2.090	0.60	89.7	62.1
[3 -6 7]	(4 2 0)	(1 -3 -3)	1.256	2.088	0.60	84.5	41.7
[1 -2 1]	(4 2 0)	(0 2 4)	1.256	2.076	0.61	75.2	65.2
[4 -8 -3]	(4 2 0)	(1 -1 4)	1.256	1.979	0.63	64.6	67.9

Talc-Triclinic (420) 363 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[4 -8 1]	(4 2 0)	(1 1 4)	1.256	1.973	0.64	56.9	84.9
[3 -6 -2]	(4 2 0)	(2 2 -3)	1.256	1.965	0.64	41.5	70.0
[1 -2 2]	(4 2 0)	(2 -2 -3)	1.256	1.960	0.64	59.3	46.2
[3 -6 -7]	(4 2 0)	(1 -3 3)	1.256	1.950	0.64	74.1	40.1
[3 -6 5]	(4 2 0)	(1 3 3)	1.256	1.935	0.65	51.5	51.6
[2 -4 1]	(4 2 0)	(2 0 -4)	1.256	1.890	0.66	54.8	77.9
[3 -6 -2]	(4 2 0)	(2 0 3)	1.256	1.869	0.67	39.1	70.0
[3 -6 -8]	(4 2 0)	(0 4 -3)	1.256	1.855	0.68	82.2	36.5
[3 -6 8]	(4 2 0)	(0 4 3)	1.256	1.840	0.68	72.0	37.8
[4 -8 -5]	(4 2 0)	(1 3 -4)	1.256	1.826	0.69	67.3	56.9
[5 -10 -1]	(4 2 0)	(1 1 -5)	1.256	1.818	0.69	75.8	82.4
[4 -8 7]	(4 2 0)	(1 -3 -4)	1.256	1.814	0.69	86.8	50.2
[5 -10 3]	(4 2 0)	(1 -1 -5)	1.256	1.813	0.69	82.2	75.2
[5 -10 -4]	(4 2 0)	(0 -2 5)	1.256	1.737	0.72	88.2	66.7
[1 -2 -2]	(4 2 0)	(2 -2 3)	1.256	1.735	0.72	52.0	44.3
[0 0 1]	(4 2 0)	(1 -5 0)	1.256	1.733	0.73	86.7	0.0
[1 -2 5]	(4 2 0)	(3 -1 -1)	1.256	1.731	0.73	28.9	22.2
[0 0 1]	(4 2 0)	(1 5 0)	1.256	1.730	0.73	54.6	0.0
[5 -10 4]	(4 2 0)	(0 2 5)	1.256	1.727	0.73	76.1	70.1
[1 -2 10]	(4 2 0)	(2 -4 -1)	1.256	1.727	0.73	66.4	11.4
[3 -6 2]	(4 2 0)	(2 2 3)	1.256	1.727	0.73	34.8	73.5
[0 0 1]	(4 2 0)	(2 -4 0)	1.256	1.726	0.73	64.7	0.0
[1 -2 -6]	(4 2 0)	(2 4 -1)	1.256	1.726	0.73	35.3	18.5
[0 0 1]	(4 2 0)	(2 4 0)	1.256	1.722	0.73	32.8	0.0
[1 -2 -9]	(4 2 0)	(1 5 -1)	1.256	1.719	0.73	56.8	12.6
[1 -2 11]	(4 2 0)	(1 -5 -1)	1.256	1.717	0.73	88.3	10.4
[0 0 1]	(4 2 0)	(3 -1 0)	1.256	1.713	0.73	26.7	0.0
[4 -8 -7]	(4 2 0)	(1 -3 4)	1.256	1.694	0.74	74.6	48.0
[2 -4 1]	(4 2 0)	(3 1 -2)	1.256	1.691	0.74	21.4	77.9
[2 -4 5]	(4 2 0)	(3 -1 -2)	1.256	1.691	0.74	34.0	39.6
[1 -2 -11]	(4 2 0)	(1 -5 1)	1.256	1.691	0.74	85.3	10.4
[1 -2 9]	(4 2 0)	(1 5 1)	1.256	1.683	0.75	53.8	12.6
[4 -8 5]	(4 2 0)	(1 3 4)	1.256	1.681	0.75	55.4	59.6
[1 -2 -3]	(4 2 0)	(2 4 -2)	1.256	1.674	0.75	40.1	33.4
[1 -2 5]	(4 2 0)	(2 -4 -2)	1.256	1.671	0.75	68.9	22.2
[1 -2 -10]	(4 2 0)	(2 -4 1)	1.256	1.670	0.75	63.9	11.4
[1 -2 6]	(4 2 0)	(2 4 1)	1.256	1.662	0.76	33.1	18.7
[5 -10 -3]	(4 2 0)	(1 -1 5)	1.256	1.657	0.76	67.3	71.7
[2 -4 -9]	(4 2 0)	(1 5 -2)	1.256	1.654	0.76	59.9	23.9
[5 -10 1]	(4 2 0)	(1 1 5)	1.256	1.652	0.76	61.1	86.3
[2 -4 11]	(4 2 0)	(1 -5 -2)	1.256	1.647	0.76	89.8	20.3
[1 -2 -5]	(4 2 0)	(3 -1 1)	1.256	1.643	0.76	28.0	21.8
[5 -10 2]	(4 2 0)	(2 0 -5)	1.256	1.643	0.76	61.6	80.7
[2 -4 -1]	(4 2 0)	(2 0 4)	1.256	1.625	0.77	45.6	74.3
[3 -6 1]	(4 2 0)	(3 1 -3)	1.256	1.605	0.78	30.9	82.5
[3 -6 5]	(4 2 0)	(3 -1 -3)	1.256	1.604	0.78	40.5	51.6
[2 -4 -11]	(4 2 0)	(1 -5 2)	1.256	1.603	0.78	84.1	20.0
[2 -4 9]	(4 2 0)	(1 5 2)	1.256	1.593	0.79	54.3	24.4

Talc-Triclinic (420) 363 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[1 -2 -1]	(4 2 0)	(1 3 -5)	1.256	1.589	0.79	71.9	62.1
[1 -2 -2]	(4 2 0)	(2 4 -3)	1.256	1.579	0.80	45.8	44.3
[5 -10 7]	(4 2 0)	(1 -3 -5)	1.256	1.579	0.80	88.7	56.6
[3 -6 10]	(4 2 0)	(2 -4 -3)	1.256	1.574	0.80	71.7	31.7
[1 -2 -5]	(4 2 0)	(2 -4 2)	1.256	1.573	0.80	64.0	21.8
[1 -2 3]	(4 2 0)	(2 4 2)	1.256	1.563	0.80	35.6	34.5
[1 -2 -3]	(4 2 0)	(1 5 -3)	1.256	1.551	0.81	63.5	33.4
[5 -10 -2]	(4 2 0)	(2 2 -5)	1.256	1.550	0.81	57.2	76.9
[5 -10 6]	(4 2 0)	(2 -2 -5)	1.256	1.544	0.81	69.3	60.7
[3 -6 11]	(4 2 0)	(1 -5 -3)	1.256	1.542	0.81	88.8	29.2
[6 -12 -1]	(4 2 0)	(1 1 -6)	1.256	1.539	0.82	79.4	83.3
[2 -4 -5]	(4 2 0)	(3 -1 2)	1.256	1.538	0.82	31.7	38.2
[2 -4 1]	(4 2 0)	(1 -1 -6)	1.256	1.536	0.82	84.8	77.9
[1 -2 9]	(4 2 0)	(3 -3 -1)	1.256	1.528	0.82	47.1	12.6
[1 -2 -12]	(4 2 0)	(0 6 -1)	1.256	1.511	0.83	75.5	9.6
[1 -2 12]	(4 2 0)	(0 6 1)	1.256	1.507	0.83	72.8	9.5
[2 -4 -3]	(4 2 0)	(3 3 -2)	1.256	1.500	0.84	23.7	52.2
[2 -4 9]	(4 2 0)	(3 -3 -2)	1.256	1.499	0.84	49.9	24.4
[4 -8 1]	(4 2 0)	(3 1 -4)	1.256	1.492	0.84	39.3	84.9
[4 -8 5]	(4 2 0)	(3 -1 -4)	1.256	1.490	0.84	46.9	59.6
[3 -6 -11]	(4 2 0)	(1 -5 3)	1.256	1.488	0.84	83.1	28.4
[3 -6 -2]	(4 2 0)	(0 -2 6)	1.256	1.479	0.85	87.1	70.0
[5 -10 -7]	(4 2 0)	(1 -3 5)	1.256	1.479	0.85	75.2	54.0
[1 -2 3]	(4 2 0)	(1 5 3)	1.256	1.477	0.85	55.7	34.5
[3 -6 2]	(4 2 0)	(0 2 6)	1.256	1.472	0.85	76.8	73.5
[1 -2 1]	(4 2 0)	(1 3 5)	1.256	1.469	0.86	58.8	65.2
[1 -2 -9]	(4 2 0)	(3 -3 1)	1.256	1.467	0.86	45.6	12.6
[2 -4 -3]	(4 2 0)	(2 4 -4)	1.256	1.462	0.86	51.5	52.2
[1 -2 -6]	(4 2 0)	(0 6 -2)	1.256	1.457	0.86	77.4	18.5
[2 -4 5]	(4 2 0)	(2 -4 -4)	1.256	1.455	0.86	74.5	39.6
[5 -10 -8]	(4 2 0)	(0 4 -5)	1.256	1.455	0.86	86.5	50.4
[3 -6 -10]	(4 2 0)	(2 -4 3)	1.256	1.454	0.86	64.7	30.7
[1 -2 6]	(4 2 0)	(0 6 2)	1.256	1.450	0.87	72.1	18.7
[1 -2 2]	(4 2 0)	(2 4 3)	1.256	1.444	0.87	39.3	46.2
[5 -10 8]	(4 2 0)	(0 4 5)	1.256	1.444	0.87	73.3	52.8
[3 -6 1]	(4 2 0)	(2 0 -6)	1.256	1.438	0.87	66.9	82.5
[4 -8 -9]	(4 2 0)	(1 5 -4)	1.256	1.430	0.88	67.1	41.1
[5 -10 -2]	(4 2 0)	(2 0 5)	1.256	1.423	0.88	50.5	76.9
[4 -8 11]	(4 2 0)	(1 -5 -4)	1.256	1.421	0.88	87.6	36.9
[2 -4 -1]	(4 2 0)	(1 -1 6)	1.256	1.420	0.88	69.4	74.3
[6 -12 1]	(4 2 0)	(1 1 6)	1.256	1.416	0.89	64.1	87.2
[3 -6 -5]	(4 2 0)	(3 -1 3)	1.256	1.416	0.89	36.3	49.3
[3 -6 -1]	(4 2 0)	(3 1 3)	1.256	1.414	0.89	27.2	78.7
[6 -12 -5]	(4 2 0)	(1 3 -6)	1.256	1.393	0.90	75.5	65.9
[2 -4 -9]	(4 2 0)	(3 -3 2)	1.256	1.391	0.90	46.7	23.9
[2 -4 3]	(4 2 0)	(3 3 2)	1.256	1.385	0.91	21.0	54.6
[6 -12 7]	(4 2 0)	(1 -3 -6)	1.256	1.385	0.91	89.9	61.4
[5 -10 1]	(4 2 0)	(3 1 -5)	1.256	1.369	0.92	46.5	86.3

Talc-Triclinic (420) 363 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C°
[1 -2 1]	(4 2 0)	(3 -1 -5)	1.256	1.367	0.92	52.7	65.2
[4 -8 -11]	(4 2 0)	(1 -5 4)	1.256	1.365	0.92	82.5	35.7
[5 -10 -6]	(4 2 0)	(2 -2 5)	1.256	1.362	0.92	58.3	57.9
[4 -8 -3]	(4 2 0)	(3 3 -4)	1.256	1.356	0.93	38.2	67.9
[5 -10 2]	(4 2 0)	(2 2 5)	1.256	1.356	0.93	46.6	80.7
[4 -8 9]	(4 2 0)	(1 5 4)	1.256	1.354	0.93	57.4	42.7
[5 -10 -6]	(4 2 0)	(2 4 -5)	1.256	1.339	0.94	56.7	57.9
[1 -2 2]	(4 2 0)	(2 -4 -5)	1.256	1.332	0.94	77.0	46.2
[7 -14 -1]	(4 2 0)	(1 1 -7)	1.256	1.331	0.94	82.1	84.0
[2 -4 -5]	(4 2 0)	(2 -4 4)	1.256	1.331	0.94	65.6	38.2
[7 -14 3]	(4 2 0)	(1 -1 -7)	1.256	1.328	0.95	86.7	79.9
[1 -2 14]	(4 2 0)	(2 -6 -1)	1.256	1.321	0.95	76.9	8.1
[1 -2 -10]	(4 2 0)	(2 6 -1)	1.256	1.321	0.95	45.3	11.4
[5 -10 -9]	(4 2 0)	(1 5 -5)	1.256	1.308	0.96	70.4	47.2
[6 -12 -7]	(4 2 0)	(1 -3 6)	1.256	1.304	0.96	75.8	58.5
[5 -10 11]	(4 2 0)	(1 -5 -5)	1.256	1.299	0.97	86.6	43.4
[1 -2 -14]	(4 2 0)	(2 -6 1)	1.256	1.296	0.97	74.8	8.3
[6 -12 5]	(4 2 0)	(1 3 6)	1.256	1.295	0.97	61.5	69.2
[4 -8 -5]	(4 2 0)	(3 -1 4)	1.256	1.294	0.97	40.8	56.9
[4 -8 -1]	(4 2 0)	(3 1 4)	1.256	1.292	0.97	33.6	81.0
[1 -2 10]	(4 2 0)	(2 6 1)	1.256	1.291	0.97	43.2	11.4
[7 -14 -4]	(4 2 0)	(0 -2 7)	1.256	1.285	0.98	86.3	72.4
[1 -2 -3]	(4 2 0)	(0 6 -4)	1.256	1.284	0.98	81.3	33.4
[7 -14 4]	(4 2 0)	(0 2 7)	1.256	1.280	0.98	77.4	76.0
[3 -6 4]	(4 2 0)	(4 0 -3)	1.256	1.276	0.98	28.5	57.9
[1 -2 3]	(4 2 0)	(0 6 4)	1.256	1.275	0.99	71.9	34.5
[0 0 1]	(4 2 0)	(1 -7 0)	1.256	1.272	0.99	88.0	0.0
[1 -2 13]	(4 2 0)	(3 -5 -1)	1.256	1.272	0.99	60.7	8.8
[1 -2 8]	(4 2 0)	(4 -2 -1)	1.256	1.271	0.99	33.0	14.2
[0 0 1]	(4 2 0)	(1 7 0)	1.256	1.270	0.99	59.9	0.0
[1 -2 -7]	(4 2 0)	(3 5 -1)	1.256	1.270	0.99	29.3	16.0
[7 -14 2]	(4 2 0)	(2 0 -7)	1.256	1.270	0.99	70.9	83.9
[1 -2 -13]	(4 2 0)	(1 7 -1)	1.256	1.266	0.99	61.3	8.9
[0 0 1]	(4 2 0)	(3 -5 0)	1.256	1.265	0.99	59.5	0.0
[1 -2 15]	(4 2 0)	(1 -7 -1)	1.256	1.265	0.99	86.9	7.6
[5 -10 -3]	(4 2 0)	(3 3 -5)	1.256	1.262	1.00	44.7	71.7
[0 0 1]	(4 2 0)	(3 5 0)	1.256	1.262	1.00	27.6	0.0
[1 -2 4]	(4 2 0)	(4 -2 -2)	1.256	1.261	1.00	35.7	27.1
[5 -10 9]	(4 2 0)	(3 -3 -5)	1.256	1.259	1.00	61.2	49.3
[0 0 1]	(4 2 0)	(4 -2 0)	1.256	1.258	1.00	31.8	0.0
[3 -6 -1]	(4 2 0)	(2 0 6)	1.256	1.258	1.00	54.4	78.7
[1 -2 -15]	(4 2 0)	(1 -7 1)	1.256	1.256	1.00	89.2	7.7
[2 -4 -7]	(4 2 0)	(3 5 -2)	1.256	1.255	1.00	32.6	29.6
[2 -4 13]	(4 2 0)	(3 -5 -2)	1.256	1.255	1.00	62.4	17.3
[3 -6 -10]	(4 2 0)	(2 6 -3)	1.256	1.252	1.00	51.1	30.7
[1 -2 13]	(4 2 0)	(1 7 1)	1.256	1.251	1.00	59.1	8.8
[6 -12 1]	(4 2 0)	(3 1 -6)	1.256	1.249	1.01	52.5	87.2
[3 -6 14]	(4 2 0)	(2 -6 -3)	1.256	1.248	1.01	80.0	23.6

Talc-Triclinic (420) 363 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[6 -12 5]	(4 2 0)	(3 -1 -6)	1.256	1.248	1.01	57.8	69.2
[5 -10 -11]	(4 2 0)	(1 -5 5)	1.256	1.245	1.01	82.0	41.7
[2 -4 -13]	(4 2 0)	(1 7 -2)	1.256	1.240	1.01	63.2	17.2
[7 -14 -3]	(4 2 0)	(1 -1 7)	1.256	1.240	1.01	70.9	76.2
[7 -14 1]	(4 2 0)	(1 1 7)	1.256	1.237	1.02	66.3	87.9
[1 -2 -13]	(4 2 0)	(3 -5 1)	1.256	1.237	1.02	59.0	8.9
[2 -4 15]	(4 2 0)	(1 -7 -2)	1.256	1.236	1.02	85.8	15.1
[5 -10 9]	(4 2 0)	(1 5 5)	1.256	1.235	1.02	59.3	49.3
[7 -14 -5]	(4 2 0)	(1 3 -7)	1.256	1.234	1.02	78.3	68.8
[1 -2 7]	(4 2 0)	(3 5 1)	1.256	1.232	1.02	27.8	16.1
[1 -2 0]	(4 2 0)	(4 2 -3)	1.256	1.230	1.02	23.0	88.0
[3 -6 8]	(4 2 0)	(4 -2 -3)	1.256	1.229	1.02	39.5	37.8
[1 -2 1]	(4 2 0)	(1 -3 -7)	1.256	1.227	1.02	88.8	65.2
[7 -14 -2]	(4 2 0)	(2 2 -7)	1.256	1.226	1.02	67.1	80.0
[1 -2 -8]	(4 2 0)	(4 -2 1)	1.256	1.224	1.03	32.2	14.1
[7 -14 6]	(4 2 0)	(2 -2 -7)	1.256	1.222	1.03	76.1	68.6
[1 -2 -1]	(4 2 0)	(2 4 -6)	1.256	1.221	1.03	61.2	62.1
[3 -6 -7]	(4 2 0)	(3 5 -3)	1.256	1.219	1.03	37.0	40.1
[2 -4 -15]	(4 2 0)	(1 -7 2)	1.256	1.219	1.03	89.7	15.0
[3 -6 13]	(4 2 0)	(3 -5 -3)	1.256	1.217	1.03	64.5	25.2
[3 -6 5]	(4 2 0)	(2 -4 -6)	1.256	1.215	1.03	79.3	51.6
[1 -2 -2]	(4 2 0)	(2 -4 5)	1.256	1.213	1.04	66.7	44.3
[2 -4 13]	(4 2 0)	(1 7 2)	1.256	1.212	1.04	58.9	17.3
[5 -10 6]	(4 2 0)	(2 4 5)	1.256	1.205	1.04	46.9	60.7
[4 -8 -9]	(4 2 0)	(3 -3 4)	1.256	1.204	1.04	50.9	41.1
[4 -8 3]	(4 2 0)	(3 3 4)	1.256	1.198	1.05	32.3	71.3
[3 -6 -13]	(4 2 0)	(1 7 -3)	1.256	1.195	1.05	65.4	24.7
[2 -4 -3]	(4 2 0)	(1 5 -6)	1.256	1.193	1.05	73.4	52.2
[2 -4 -13]	(4 2 0)	(3 -5 2)	1.256	1.191	1.06	59.0	17.2
[1 -2 5]	(4 2 0)	(1 -7 -3)	1.256	1.190	1.06	84.9	22.2
[5 -10 -12]	(4 2 0)	(0 6 -5)	1.256	1.188	1.06	83.0	39.3
[3 -6 -14]	(4 2 0)	(2 -6 3)	1.256	1.187	1.06	73.9	23.2
[6 -12 11]	(4 2 0)	(1 -5 -6)	1.256	1.184	1.06	85.8	48.8
[1 -2 0]	(4 2 0)	(4 2 -4)	1.256	1.182	1.06	30.0	88.0
[1 -2 2]	(4 2 0)	(4 -2 -4)	1.256	1.181	1.06	43.7	46.2
[1 -2 -1]	(4 2 0)	(3 -1 5)	1.256	1.180	1.06	44.9	62.1
[3 -6 10]	(4 2 0)	(2 6 3)	1.256	1.179	1.07	45.3	31.7
[5 -10 12]	(4 2 0)	(0 6 5)	1.256	1.179	1.07	72.2	40.8
[5 -10 -1]	(4 2 0)	(3 1 5)	1.256	1.178	1.07	38.9	82.4
[1 -2 -4]	(4 2 0)	(4 -2 2)	1.256	1.174	1.07	33.9	26.5
[8 -16 -1]	(4 2 0)	(1 1 -8)	1.256	1.171	1.07	84.1	84.5
[8 -16 3]	(4 2 0)	(1 -1 -8)	1.256	1.169	1.08	88.1	81.4
[4 -8 -7]	(4 2 0)	(3 5 -4)	1.256	1.168	1.08	41.7	48.0
[1 -2 -5]	(4 2 0)	(1 -7 3)	1.256	1.166	1.08	88.7	21.8
[4 -8 13]	(4 2 0)	(3 -5 -4)	1.256	1.165	1.08	66.8	32.3
[1 -2 -1]	(4 2 0)	(1 -3 7)	1.256	1.160	1.08	76.3	62.1
[7 -14 -8]	(4 2 0)	(0 4 -7)	1.256	1.159	1.08	89.3	59.0
[3 -6 13]	(4 2 0)	(1 7 3)	1.256	1.158	1.08	59.2	25.2

Talc-Triclinic (420) 363 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[5 -10 4]	(4 2 0)	(4 0 -5)	1.256	1.157	1.09	40.6	70.1
[7 -14 5]	(4 2 0)	(1 3 7)	1.256	1.154	1.09	63.7	72.3
[7 -14 8]	(4 2 0)	(0 4 7)	1.256	1.150	1.09	74.6	62.0
[1 -2 12]	(4 2 0)	(4 -4 -1)	1.256	1.146	1.10	46.6	9.5
[3 -6 -4]	(4 2 0)	(4 0 3)	1.256	1.146	1.10	26.3	55.2
[1 -2 -16]	(4 2 0)	(0 8 -1)	1.256	1.139	1.10	75.1	7.2
[7 -14 1]	(4 2 0)	(3 1 -7)	1.256	1.139	1.10	57.5	87.9
[4 -8 -13]	(4 2 0)	(1 7 -4)	1.256	1.138	1.10	67.8	31.4
[7 -14 5]	(4 2 0)	(3 -1 -7)	1.256	1.138	1.10	62.1	72.3
[0 0 1]	(4 2 0)	(4 -4 0)	1.256	1.137	1.10	45.6	0.0
[1 -2 16]	(4 2 0)	(0 8 1)	1.256	1.137	1.11	73.0	7.1
[6 -12 -11]	(4 2 0)	(1 -5 6)	1.256	1.135	1.11	81.7	46.7
[2 -4 -1]	(4 2 0)	(0 -2 8)	1.256	1.135	1.11	85.7	74.3
[4 -8 1]	(4 2 0)	(2 0 -8)	1.256	1.133	1.11	74.1	84.9
[3 -6 -13]	(4 2 0)	(3 -5 3)	1.256	1.132	1.11	59.5	24.7
[4 -8 15]	(4 2 0)	(1 -7 -4)	1.256	1.131	1.11	84.1	28.7
[2 -4 1]	(4 2 0)	(0 2 8)	1.256	1.130	1.11	77.8	77.9
[2 -4 3]	(4 2 0)	(1 5 6)	1.256	1.126	1.12	61.1	54.6
[3 -6 7]	(4 2 0)	(3 5 3)	1.256	1.126	1.12	32.4	41.7
[7 -14 -2]	(4 2 0)	(2 0 7)	1.256	1.123	1.12	57.5	80.0
[1 -2 -2]	(4 2 0)	(2 6 -5)	1.256	1.122	1.12	58.2	44.3
[1 -2 0]	(4 2 0)	(4 2 -5)	1.256	1.122	1.12	36.4	88.0
[5 -10 8]	(4 2 0)	(4 -2 -5)	1.256	1.121	1.12	48.0	52.8
[5 -10 14]	(4 2 0)	(2 -6 -5)	1.256	1.116	1.13	83.1	36.4
[1 -2 4]	(4 2 0)	(4 -4 -3)	1.256	1.115	1.13	50.7	27.1
[7 -14 -6]	(4 2 0)	(2 4 -7)	1.256	1.114	1.13	65.1	65.4
[3 -6 -8]	(4 2 0)	(4 -2 3)	1.256	1.113	1.13	36.5	36.5
[1 -2 -12]	(4 2 0)	(4 -4 1)	1.256	1.112	1.13	45.5	9.6
[1 -2 0]	(4 2 0)	(4 2 3)	1.256	1.110	1.13	20.6	88.0
[7 -14 10]	(4 2 0)	(2 -4 -7)	1.256	1.108	1.13	81.3	56.0
[5 -10 -7]	(4 2 0)	(3 5 -5)	1.256	1.107	1.14	46.3	54.0
[3 -6 -5]	(4 2 0)	(2 -4 6)	1.256	1.107	1.14	67.8	49.3
[5 -10 3]	(4 2 0)	(3 3 5)	1.256	1.105	1.14	37.2	75.2
[4 -8 -15]	(4 2 0)	(1 -7 4)	1.256	1.104	1.14	87.7	27.9
[8 -16 -5]	(4 2 0)	(1 3 -8)	1.256	1.103	1.14	80.6	71.0
[5 -10 13]	(4 2 0)	(3 -5 -5)	1.256	1.103	1.14	69.2	38.5
[1 -2 1]	(4 2 0)	(2 4 6)	1.256	1.099	1.14	50.2	65.2
[8 -16 -3]	(4 2 0)	(1 -1 8)	1.256	1.099	1.14	72.1	77.6
[8 -16 7]	(4 2 0)	(1 -3 -8)	1.256	1.097	1.14	88.0	68.2
[8 -16 1]	(4 2 0)	(1 1 8)	1.256	1.097	1.15	68.1	88.4
[4 -8 13]	(4 2 0)	(1 7 4)	1.256	1.096	1.15	59.9	32.3
[7 -14 -6]	(4 2 0)	(2 -2 7)	1.256	1.093	1.15	62.8	65.4
[7 -14 2]	(4 2 0)	(2 2 7)	1.256	1.089	1.15	54.1	83.9
[7 -14 -9]	(4 2 0)	(1 5 -7)	1.256	1.088	1.15	75.9	56.2
[7 -14 11]	(4 2 0)	(1 -5 -7)	1.256	1.080	1.16	85.2	53.3
[3 -6 -16]	(4 2 0)	(0 8 -3)	1.256	1.079	1.16	77.9	20.6
[6 -12 -5]	(4 2 0)	(3 -1 6)	1.256	1.077	1.17	48.4	65.9
[7 -14 -3]	(4 2 0)	(3 3 -7)	1.256	1.076	1.17	55.1	76.2

Talc-Triclinic (420) 363 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[6 -12 -1]	(4 2 0)	(3 1 6)	1.256	1.075	1.17	43.4	83.3
[5 -10 -13]	(4 2 0)	(1 7 -5)	1.256	1.073	1.17	70.2	37.2
[3 -6 16]	(4 2 0)	(0 8 3)	1.256	1.073	1.17	72.0	20.9
[7 -14 9]	(4 2 0)	(3 -3 -7)	1.256	1.072	1.17	67.9	58.9
[4 -8 -13]	(4 2 0)	(3 -5 4)	1.256	1.067	1.18	60.3	31.4
[1 -2 3]	(4 2 0)	(1 -7 -5)	1.256	1.066	1.18	83.5	34.5
[4 -8 7]	(4 2 0)	(3 5 4)	1.256	1.061	1.18	35.7	50.2
[1 -2 0]	(4 2 0)	(4 2 -6)	1.256	1.057	1.19	42.1	88.0
[3 -6 4]	(4 2 0)	(4 -2 -6)	1.256	1.056	1.19	52.2	57.9
[1 -2 17]	(4 2 0)	(3 -7 -1)	1.256	1.052	1.19	70.0	6.7
[0 0 1]	(4 2 0)	(2 -8 0)	1.256	1.051	1.20	82.4	0.0
[1 -2 -11]	(4 2 0)	(3 7 -1)	1.256	1.051	1.20	38.3	10.4
[1 -2 18]	(4 2 0)	(2 -8 -1)	1.256	1.051	1.20	83.3	6.3
[1 -2 -14]	(4 2 0)	(2 8 -1)	1.256	1.050	1.20	51.4	8.3
[0 0 1]	(4 2 0)	(2 8 0)	1.256	1.049	1.20	50.3	0.0
[2 -4 7]	(4 2 0)	(5 -1 -2)	1.256	1.048	1.20	25.9	30.4
[1 -2 -2]	(4 2 0)	(4 -2 4)	1.256	1.047	1.20	39.4	44.3
[0 0 1]	(4 2 0)	(3 7 0)	1.256	1.046	1.20	37.1	0.0
[5 -10 -14]	(4 2 0)	(2 -6 5)	1.256	1.046	1.20	73.9	35.2
[1 -2 0]	(4 2 0)	(4 2 4)	1.256	1.044	1.20	26.2	88.0
[9 -18 -1]	(4 2 0)	(1 1 -9)	1.256	1.044	1.20	85.7	84.9
[8 -16 -7]	(4 2 0)	(1 -3 8)	1.256	1.043	1.20	76.8	64.9
[2 -4 -11]	(4 2 0)	(3 7 -2)	1.256	1.043	1.20	40.3	20.0
[2 -4 17]	(4 2 0)	(3 -7 -2)	1.256	1.042	1.21	71.2	13.4
[3 -6 1]	(4 2 0)	(1 -1 -9)	1.256	1.042	1.21	89.3	82.5
[6 -12 -7]	(4 2 0)	(3 5 -6)	1.256	1.041	1.21	50.7	58.5
[8 -16 1]	(4 2 0)	(3 1 -8)	1.256	1.041	1.21	61.7	88.4
[0 0 1]	(4 2 0)	(5 -1 0)	1.256	1.039	1.21	22.4	0.0
[8 -16 5]	(4 2 0)	(3 -1 -8)	1.256	1.039	1.21	65.7	74.6
[1 -2 -7]	(4 2 0)	(2 8 -2)	1.256	1.039	1.21	53.1	16.0
[1 -2 -18]	(4 2 0)	(2 -8 1)	1.256	1.038	1.21	81.5	6.5
[1 -2 -3]	(4 2 0)	(1 -7 5)	1.256	1.038	1.21	86.9	33.4
[1 -2 2]	(4 2 0)	(2 6 5)	1.256	1.038	1.21	49.4	46.2
[1 -2 9]	(4 2 0)	(2 -8 -2)	1.256	1.037	1.21	84.3	12.6
[8 -16 5]	(4 2 0)	(1 3 8)	1.256	1.037	1.21	65.5	74.6
[7 -14 -11]	(4 2 0)	(1 -5 7)	1.256	1.037	1.21	81.4	50.9
[6 -12 13]	(4 2 0)	(3 -5 -6)	1.256	1.036	1.21	71.5	43.8
[1 -2 14]	(4 2 0)	(2 8 1)	1.256	1.035	1.21	49.7	8.1
[5 -10 -4]	(4 2 0)	(4 4 -5)	1.256	1.034	1.22	36.5	66.7
[3 -6 7]	(4 2 0)	(5 -1 -3)	1.256	1.033	1.22	29.5	41.7
[1 -2 1]	(4 2 0)	(5 1 -3)	1.256	1.033	1.22	21.2	65.2
[1 -2 -17]	(4 2 0)	(3 -7 1)	1.256	1.033	1.22	68.4	6.8
[5 -10 12]	(4 2 0)	(4 -4 -5)	1.256	1.032	1.22	56.4	40.8
[5 -10 13]	(4 2 0)	(1 7 5)	1.256	1.030	1.22	60.8	38.5
[7 -14 9]	(4 2 0)	(1 5 7)	1.256	1.029	1.22	62.8	58.9
[1 -2 11]	(4 2 0)	(3 7 1)	1.256	1.029	1.22	36.8	10.4
[1 -2 -4]	(4 2 0)	(4 -4 3)	1.256	1.027	1.22	47.1	26.5
[3 -6 4]	(4 2 0)	(4 4 3)	1.256	1.023	1.23	22.5	57.9

Talc-Triclinic (420) 363 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$
[3 -6 -11]	(4 2 0)	(3 7 -3)	1.256	1.022	1.23	43.0	28.4
[3 -6 17]	(4 2 0)	(3 -7 -3)	1.256	1.020	1.23	72.6	19.7
[9 -18 2]	(4 2 0)	(2 0 -9)	1.256	1.020	1.23	76.7	85.7
[4 -8 -3]	(4 2 0)	(2 4 -8)	1.256	1.018	1.23	68.3	67.9
[1 -2 -7]	(4 2 0)	(5 -1 1)	1.256	1.017	1.24	23.0	16.0
[3 -6 -14]	(4 2 0)	(2 8 -3)	1.256	1.015	1.24	55.2	23.2
[9 -18 -4]	(4 2 0)	(0 -2 9)	1.256	1.015	1.24	85.3	75.7
[1 -2 -9]	(4 2 0)	(2 -8 2)	1.256	1.014	1.24	80.8	12.6
[7 -14 4]	(4 2 0)	(4 0 -7)	1.256	1.014	1.24	50.6	76.0
[4 -8 5]	(4 2 0)	(2 -4 -8)	1.256	1.013	1.24	82.9	59.6
[1 -2 6]	(4 2 0)	(2 -8 -3)	1.256	1.012	1.24	85.4	18.7
[7 -14 -10]	(4 2 0)	(2 -4 7)	1.256	1.012	1.24	68.8	53.5
[4 -8 -1]	(4 2 0)	(2 0 8)	1.256	1.012	1.24	60.0	81.0
[9 -18 4]	(4 2 0)	(0 2 9)	1.256	1.012	1.24	78.2	79.5
[7 -14 -12]	(4 2 0)	(0 6 -7)	1.256	1.010	1.24	85.9	48.6
[1 -2 7]	(4 2 0)	(2 8 2)	1.256	1.009	1.25	49.7	16.1
[4 -8 3]	(4 2 0)	(5 1 -4)	1.256	1.007	1.25	26.7	71.3
[4 -8 7]	(4 2 0)	(5 -1 -4)	1.256	1.007	1.25	33.7	50.2
[6 -12 -13]	(4 2 0)	(1 7 -6)	1.256	1.007	1.25	72.4	42.1
[2 -4 -17]	(4 2 0)	(3 -7 2)	1.256	1.005	1.25	68.0	13.3
[7 -14 6]	(4 2 0)	(2 4 7)	1.256	1.005	1.25	53.0	68.6
[5 -10 -4]	(4 2 0)	(4 0 5)	1.256	1.003	1.25	35.2	66.7
[7 -14 12]	(4 2 0)	(0 6 7)	1.256	1.002	1.25	73.0	50.8
[1 -2 16]	(4 2 0)	(4 -6 -1)	1.256	1.001	1.26	57.4	7.1
[5 -10 -13]	(4 2 0)	(3 -5 5)	1.256	1.001	1.26	61.3	37.2
[0 0 1]	(4 2 0)	(1 -9 0)	1.256	1.001	1.26	85.0	0.0
[2 -4 11]	(4 2 0)	(3 7 2)	1.256	1.000	1.26	37.4	20.3

Talc-Triclinic (280) 296 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[4 -1 0]	(2 8 0)	(0 0 1)	1.049	9.351	0.11	86.1	82.2
[0 0 1]	(2 8 0)	(0 2 0)	1.049	4.586	0.23	23.7	0.0
[0 0 1]	(2 8 0)	(1 -1 0)	1.049	4.548	0.23	84.1	0.0
[0 0 1]	(2 8 0)	(1 1 0)	1.049	4.538	0.23	36.5	0.0
[4 -1 3]	(2 8 0)	(1 1 -1)	1.049	4.318	0.24	42.9	42.1
[4 -1 5]	(2 8 0)	(1 -1 -1)	1.049	4.312	0.24	82.6	27.3
[4 -1 -2]	(2 8 0)	(0 2 -1)	1.049	4.131	0.25	37.3	46.1
[4 -1 2]	(2 8 0)	(0 2 1)	1.049	4.104	0.26	31.8	55.3
[4 -1 -5]	(2 8 0)	(1 -1 1)	1.049	3.900	0.27	86.6	24.4
[4 -1 -3]	(2 8 0)	(1 1 1)	1.049	3.882	0.27	44.3	36.0
[8 -2 3]	(2 8 0)	(1 1 -2)	1.049	3.501	0.30	55.3	64.2
[8 -2 5]	(2 8 0)	(1 -1 -2)	1.049	3.490	0.30	82.5	48.1
[4 -1 -1]	(2 8 0)	(0 2 -2)	1.049	3.288	0.32	52.5	61.2
[4 -1 1]	(2 8 0)	(0 2 2)	1.049	3.261	0.32	45.7	74.5
[8 -2 -5]	(2 8 0)	(1 -1 2)	1.049	3.071	0.34	88.6	40.5
[8 -2 -3]	(2 8 0)	(1 1 2)	1.049	3.057	0.34	54.1	52.9
[4 -1 1]	(2 8 0)	(1 1 -3)	1.049	2.748	0.38	64.7	74.5
[12 -3 5]	(2 8 0)	(1 -1 -3)	1.049	2.739	0.38	83.0	61.0
[0 0 1]	(2 8 0)	(1 -3 0)	1.049	2.643	0.40	54.0	0.0
[4 -1 8]	(2 8 0)	(2 0 -1)	1.049	2.623	0.40	67.3	17.5
[0 0 1]	(2 8 0)	(2 0 0)	1.049	2.615	0.40	66.2	0.0
[4 -1 7]	(2 8 0)	(1 -3 -1)	1.049	2.590	0.40	53.5	19.9
[12 -3 -2]	(2 8 0)	(0 2 -3)	1.049	2.588	0.41	62.6	67.6
[12 -3 2]	(2 8 0)	(0 2 3)	1.049	2.568	0.41	55.3	82.1
[4 -1 -7]	(2 8 0)	(1 -3 1)	1.049	2.498	0.42	57.5	18.3
[4 -1 4]	(2 8 0)	(2 0 -2)	1.049	2.445	0.43	70.0	33.3
[12 -3 -5]	(2 8 0)	(1 -1 3)	1.049	2.431	0.43	89.9	50.5
[4 -1 -8]	(2 8 0)	(2 0 1)	1.049	2.425	0.43	66.9	16.2
[4 -1 -1]	(2 8 0)	(1 1 3)	1.049	2.421	0.43	61.2	61.2
[8 -2 1]	(2 8 0)	(1 3 -2)	1.049	2.383	0.44	30.3	86.0
[8 -2 7]	(2 8 0)	(1 -3 -2)	1.049	2.372	0.44	55.8	37.3
[4 -1 10]	(2 8 0)	(2 -2 -1)	1.049	2.277	0.46	83.1	14.0
[4 -1 6]	(2 8 0)	(2 2 -1)	1.049	2.276	0.46	37.9	23.1
[8 -2 -7]	(2 8 0)	(1 -3 2)	1.049	2.235	0.47	62.3	32.3
[4 -1 -4]	(2 8 0)	(0 4 -1)	1.049	2.231	0.47	28.9	29.2
[4 -1 4]	(2 8 0)	(0 4 1)	1.049	2.223	0.47	25.3	33.3
[8 -2 -1]	(2 8 0)	(1 3 2)	1.049	2.219	0.47	29.7	71.1
[16 -4 3]	(2 8 0)	(1 1 -4)	1.049	2.203	0.48	71.0	80.1
[16 -4 5]	(2 8 0)	(1 -1 -4)	1.049	2.196	0.48	83.5	69.1
[12 -3 8]	(2 8 0)	(2 0 -3)	1.049	2.171	0.48	73.3	45.9
[4 -1 -4]	(2 8 0)	(2 0 2)	1.049	2.148	0.49	68.7	29.2
[4 -1 -10]	(2 8 0)	(2 -2 1)	1.049	2.148	0.49	85.3	13.2
[4 -1 -6]	(2 8 0)	(2 2 1)	1.049	2.140	0.49	39.4	20.9
[12 -3 1]	(2 8 0)	(1 3 -3)	1.049	2.101	0.50	41.8	89.9
[8 -2 -1]	(2 8 0)	(0 2 -4)	1.049	2.090	0.50	69.1	71.1
[12 -3 7]	(2 8 0)	(1 -3 -3)	1.049	2.088	0.50	59.3	50.3
[8 -2 1]	(2 8 0)	(0 2 4)	1.049	2.076	0.51	61.6	86.0
[16 -4 -5]	(2 8 0)	(1 -1 4)	1.049	1.979	0.53	89.3	56.8

Talc-Triclinic (280) 296 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[16 -4 -3]	(2 8 0)	(1 1 4)	1.049	1.973	0.53	66.0	65.9
[4 -1 2]	(2 8 0)	(2 2 -3)	1.049	1.965	0.53	49.2	55.3
[12 -3 10]	(2 8 0)	(2 -2 -3)	1.049	1.960	0.54	82.4	38.8
[12 -3 -7]	(2 8 0)	(1 -3 3)	1.049	1.950	0.54	67.0	42.2
[12 -3 -1]	(2 8 0)	(1 3 3)	1.049	1.935	0.54	39.5	74.7
[4 -1 2]	(2 8 0)	(2 0 -4)	1.049	1.890	0.55	76.3	55.3
[12 -3 -8]	(2 8 0)	(2 0 3)	1.049	1.869	0.56	70.8	38.9
[12 -3 -4]	(2 8 0)	(0 4 -3)	1.049	1.855	0.57	45.6	55.5
[12 -3 4]	(2 8 0)	(0 4 3)	1.049	1.840	0.57	39.2	67.4
[16 -4 1]	(2 8 0)	(1 3 -4)	1.049	1.826	0.57	50.6	88.1
[20 -5 3]	(2 8 0)	(1 1 -5)	1.049	1.818	0.58	75.2	83.6
[16 -4 7]	(2 8 0)	(1 -3 -4)	1.049	1.814	0.58	62.8	59.5
[4 -1 1]	(2 8 0)	(1 -1 -5)	1.049	1.813	0.58	83.9	74.5
[20 -5 -2]	(2 8 0)	(0 2 -5)	1.049	1.737	0.60	73.5	73.2
[12 -3 -10]	(2 8 0)	(2 -2 3)	1.049	1.735	0.60	87.7	33.4
[0 0 1]	(2 8 0)	(1 -5 0)	1.049	1.733	0.61	43.0	0.0
[4 -1 13]	(2 8 0)	(3 -1 -1)	1.049	1.731	0.61	77.6	10.8
[4 -1 11]	(2 8 0)	(3 1 -1)	1.049	1.730	0.61	55.9	12.7
[20 -5 2]	(2 8 0)	(0 2 5)	1.049	1.727	0.61	65.9	88.3
[4 -1 12]	(2 8 0)	(2 -4 -1)	1.049	1.727	0.61	64.2	11.7
[4 -1 -2]	(2 8 0)	(2 2 3)	1.049	1.727	0.61	49.5	46.1
[0 0 1]	(2 8 0)	(2 -4 0)	1.049	1.726	0.61	65.0	0.0
[4 -1 9]	(2 8 0)	(1 -5 -1)	1.049	1.717	0.61	42.5	15.5
[0 0 1]	(2 8 0)	(3 -1 0)	1.049	1.713	0.61	77.0	0.0
[0 0 1]	(2 8 0)	(3 1 0)	1.049	1.712	0.61	55.4	0.0
[16 -4 -7]	(2 8 0)	(1 -3 4)	1.049	1.694	0.62	70.9	49.3
[8 -2 11]	(2 8 0)	(3 1 -2)	1.049	1.691	0.62	57.6	25.0
[8 -2 13]	(2 8 0)	(3 -1 -2)	1.049	1.691	0.62	78.6	21.4
[4 -1 -9]	(2 8 0)	(1 -5 1)	1.049	1.691	0.62	45.5	14.6
[16 -4 -1]	(2 8 0)	(1 3 4)	1.049	1.681	0.62	47.0	76.5
[4 -1 2]	(2 8 0)	(2 4 -2)	1.049	1.674	0.63	25.5	55.3
[4 -1 6]	(2 8 0)	(2 -4 -2)	1.049	1.671	0.63	64.3	23.1
[4 -1 -12]	(2 8 0)	(2 -4 1)	1.049	1.670	0.63	66.6	11.1
[4 -1 -4]	(2 8 0)	(2 4 1)	1.049	1.662	0.63	21.1	29.2
[4 -1 -1]	(2 8 0)	(1 -1 5)	1.049	1.657	0.63	88.7	61.2
[8 -2 -1]	(2 8 0)	(1 5 -2)	1.049	1.654	0.63	21.7	71.1
[20 -5 -3]	(2 8 0)	(1 1 5)	1.049	1.652	0.63	69.3	69.0
[8 -2 9]	(2 8 0)	(1 -5 -2)	1.049	1.647	0.64	44.0	30.1
[4 -1 -13]	(2 8 0)	(3 -1 1)	1.049	1.643	0.64	76.8	10.3
[20 -5 8]	(2 8 0)	(2 0 -5)	1.049	1.643	0.64	78.8	62.3
[4 -1 -11]	(2 8 0)	(3 1 1)	1.049	1.641	0.64	56.2	12.1
[4 -1 -2]	(2 8 0)	(2 0 4)	1.049	1.625	0.65	72.6	46.1
[12 -3 11]	(2 8 0)	(3 1 -3)	1.049	1.605	0.65	60.2	35.9
[12 -3 13]	(2 8 0)	(3 -1 -3)	1.049	1.604	0.65	79.8	31.1
[8 -2 -9]	(2 8 0)	(1 -5 2)	1.049	1.603	0.65	49.2	26.6
[20 -5 1]	(2 8 0)	(1 3 -5)	1.049	1.589	0.66	57.3	86.9
[12 -3 4]	(2 8 0)	(2 4 -3)	1.049	1.579	0.66	32.8	67.4
[20 -5 7]	(2 8 0)	(1 -3 -5)	1.049	1.579	0.66	65.9	66.1

Talc-Triclinic (280) 296 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[4 -1 4]	(2 8 0)	(2 -4 -3)	1.049	1.574	0.67	65.2	33.3
[4 -1 -6]	(2 8 0)	(2 -4 2)	1.049	1.573	0.67	68.8	20.9
[4 -1 -2]	(2 8 0)	(2 4 2)	1.049	1.563	0.67	27.3	46.1
[12 -3 -1]	(2 8 0)	(1 5 -3)	1.049	1.551	0.68	30.7	74.7
[20 -5 6]	(2 8 0)	(2 2 -5)	1.049	1.550	0.68	60.5	70.2
[4 -1 2]	(2 8 0)	(2 -2 -5)	1.049	1.544	0.68	82.8	55.3
[4 -1 3]	(2 8 0)	(1 -5 -3)	1.049	1.542	0.68	46.8	42.1
[8 -2 1]	(2 8 0)	(1 1 -6)	1.049	1.539	0.68	78.2	86.0
[8 -2 -13]	(2 8 0)	(3 -1 2)	1.049	1.538	0.68	77.0	19.5
[8 -2 -11]	(2 8 0)	(3 1 2)	1.049	1.535	0.68	57.9	22.5
[4 -1 15]	(2 8 0)	(3 -3 -1)	1.049	1.528	0.69	83.4	9.3
[4 -1 9]	(2 8 0)	(3 3 -1)	1.049	1.526	0.69	36.9	15.5
[4 -1 -6]	(2 8 0)	(0 6 -1)	1.049	1.511	0.69	26.6	20.9
[4 -1 6]	(2 8 0)	(0 6 1)	1.049	1.507	0.70	24.0	23.1
[8 -2 9]	(2 8 0)	(3 3 -2)	1.049	1.500	0.70	39.2	30.1
[8 -2 15]	(2 8 0)	(3 -3 -2)	1.049	1.499	0.70	82.9	18.6
[16 -4 11]	(2 8 0)	(3 1 -4)	1.049	1.492	0.70	63.2	44.9
[16 -4 13]	(2 8 0)	(3 -1 -4)	1.049	1.490	0.70	81.2	39.6
[4 -1 -3]	(2 8 0)	(1 -5 3)	1.049	1.488	0.70	53.4	36.0
[12 -3 -1]	(2 8 0)	(0 2 -6)	1.049	1.479	0.71	76.7	74.7
[20 -5 -7]	(2 8 0)	(1 -3 5)	1.049	1.479	0.71	74.0	54.4
[12 -3 1]	(2 8 0)	(1 5 3)	1.049	1.477	0.71	27.9	89.9
[12 -3 1]	(2 8 0)	(0 2 6)	1.049	1.472	0.71	69.0	89.9
[20 -5 -1]	(2 8 0)	(1 3 5)	1.049	1.469	0.71	52.6	77.6
[4 -1 -15]	(2 8 0)	(3 -3 1)	1.049	1.467	0.71	84.9	9.0
[4 -1 -9]	(2 8 0)	(3 3 1)	1.049	1.462	0.72	38.1	14.6
[4 -1 1]	(2 8 0)	(2 4 -4)	1.049	1.462	0.72	39.9	74.5
[4 -1 -3]	(2 8 0)	(0 6 -2)	1.049	1.457	0.72	31.6	36.0
[4 -1 3]	(2 8 0)	(2 -4 -4)	1.049	1.455	0.72	66.5	42.1
[20 -5 -4]	(2 8 0)	(0 4 -5)	1.049	1.455	0.72	58.1	65.0
[4 -1 -4]	(2 8 0)	(2 -4 3)	1.049	1.454	0.72	71.1	29.2
[4 -1 3]	(2 8 0)	(0 6 2)	1.049	1.450	0.72	27.2	42.1
[12 -3 -4]	(2 8 0)	(2 4 3)	1.049	1.444	0.73	33.8	55.5
[20 -5 4]	(2 8 0)	(0 4 5)	1.049	1.444	0.73	51.0	79.0
[12 -3 4]	(2 8 0)	(2 0 -6)	1.049	1.438	0.73	80.8	67.4
[16 -4 -1]	(2 8 0)	(1 5 -4)	1.049	1.430	0.73	38.5	76.5
[20 -5 -8]	(2 8 0)	(2 0 5)	1.049	1.423	0.74	74.2	51.4
[16 -4 9]	(2 8 0)	(1 -5 -4)	1.049	1.421	0.74	50.1	51.5
[8 -2 -1]	(2 8 0)	(1 1 6)	1.049	1.416	0.74	71.8	71.1
[12 -3 -13]	(2 8 0)	(3 -1 3)	1.049	1.416	0.74	77.4	27.4
[12 -3 -11]	(2 8 0)	(3 1 3)	1.049	1.414	0.74	60.0	31.2
[8 -2 -15]	(2 8 0)	(3 -3 2)	1.049	1.391	0.75	85.7	17.2
[8 -2 -9]	(2 8 0)	(3 3 2)	1.049	1.385	0.76	40.9	26.6
[20 -5 11]	(2 8 0)	(3 1 -5)	1.049	1.369	0.77	66.2	52.3
[20 -5 13]	(2 8 0)	(3 -1 -5)	1.049	1.367	0.77	82.5	46.8
[16 -4 -9]	(2 8 0)	(1 -5 4)	1.049	1.365	0.77	57.6	43.2
[4 -1 -2]	(2 8 0)	(2 -2 5)	1.049	1.362	0.77	89.3	46.1
[16 -4 9]	(2 8 0)	(3 3 -4)	1.049	1.356	0.77	47.1	51.5

Talc-Triclinic (280) 296 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[20 -5 -6]	(2 8 0)	(2 2 5)	1.049	1.356	0.77	58.0	57.7
[16 -4 1]	(2 8 0)	(1 5 4)	1.049	1.354	0.77	34.9	88.1
[16 -4 15]	(2 8 0)	(3 -3 -4)	1.049	1.353	0.78	82.5	35.2
[20 -5 4]	(2 8 0)	(2 4 -5)	1.049	1.339	0.78	46.1	79.0
[20 -5 12]	(2 8 0)	(2 -4 -5)	1.049	1.332	0.79	68.0	49.4
[4 -1 -3]	(2 8 0)	(2 -4 4)	1.049	1.331	0.79	73.3	36.0
[4 -1 16]	(2 8 0)	(4 0 -1)	1.049	1.322	0.79	66.5	8.7
[4 -1 -1]	(2 8 0)	(2 4 4)	1.049	1.321	0.79	39.6	61.2
[4 -1 14]	(2 8 0)	(2 -6 -1)	1.049	1.321	0.79	53.3	10.0
[20 -5 9]	(2 8 0)	(1 -5 -5)	1.049	1.299	0.81	53.5	58.7
[4 -1 -14]	(2 8 0)	(2 -6 1)	1.049	1.296	0.81	55.5	9.6
[16 -4 -13]	(2 8 0)	(3 -1 4)	1.049	1.294	0.81	78.0	34.0
[16 -4 -11]	(2 8 0)	(3 1 4)	1.049	1.292	0.81	62.2	38.1
[8 -2 -3]	(2 8 0)	(0 6 -4)	1.049	1.284	0.82	42.9	52.9
[12 -3 16]	(2 8 0)	(4 0 -3)	1.049	1.276	0.82	68.5	25.7
[8 -2 3]	(2 8 0)	(0 6 4)	1.049	1.275	0.82	36.8	64.2
[0 0 1]	(2 8 0)	(1 -7 0)	1.049	1.272	0.82	37.7	0.0
[4 -1 17]	(2 8 0)	(3 -5 -1)	1.049	1.272	0.82	69.5	8.2
[4 -1 18]	(2 8 0)	(4 -2 -1)	1.049	1.271	0.83	82.6	7.7
[4 -1 14]	(2 8 0)	(4 2 -1)	1.049	1.270	0.83	50.5	10.0
[4 -1 7]	(2 8 0)	(3 5 -1)	1.049	1.270	0.83	23.2	19.9
[4 -1 -16]	(2 8 0)	(4 0 1)	1.049	1.269	0.83	66.4	8.5
[0 0 1]	(2 8 0)	(3 -5 0)	1.049	1.265	0.83	70.2	0.0
[4 -1 11]	(2 8 0)	(1 -7 -1)	1.049	1.265	0.83	37.3	12.7
[20 -5 9]	(2 8 0)	(3 3 -5)	1.049	1.262	0.83	51.3	58.7
[0 0 1]	(2 8 0)	(3 5 0)	1.049	1.262	0.83	22.7	0.0
[4 -1 9]	(2 8 0)	(4 -2 -2)	1.049	1.261	0.83	83.2	15.5
[4 -1 7]	(2 8 0)	(4 2 -2)	1.049	1.261	0.83	51.5	19.9
[4 -1 3]	(2 8 0)	(3 -3 -5)	1.049	1.259	0.83	82.5	42.1
[0 0 1]	(2 8 0)	(4 -2 0)	1.049	1.258	0.83	82.1	0.0
[12 -3 -4]	(2 8 0)	(2 0 6)	1.049	1.258	0.83	75.6	55.5
[0 0 1]	(2 8 0)	(4 2 0)	1.049	1.256	0.83	50.3	0.0
[4 -1 -11]	(2 8 0)	(1 -7 1)	1.049	1.256	0.84	39.5	12.1
[8 -2 7]	(2 8 0)	(3 5 -2)	1.049	1.255	0.84	26.0	37.3
[8 -2 17]	(2 8 0)	(3 -5 -2)	1.049	1.255	0.84	69.3	16.4
[12 -3 2]	(2 8 0)	(2 6 -3)	1.049	1.252	0.84	23.6	82.1
[12 -3 14]	(2 8 0)	(2 -6 -3)	1.049	1.248	0.84	54.4	29.1
[20 -5 -9]	(2 8 0)	(1 -5 5)	1.049	1.245	0.84	61.3	48.6
[4 -1 -17]	(2 8 0)	(3 -5 1)	1.049	1.237	0.85	71.2	8.0
[8 -2 11]	(2 8 0)	(1 -7 -2)	1.049	1.236	0.85	38.1	25.0
[20 -5 1]	(2 8 0)	(1 5 5)	1.049	1.235	0.85	40.8	86.9
[4 -1 -7]	(2 8 0)	(3 5 1)	1.049	1.232	0.85	24.6	18.3
[12 -3 14]	(2 8 0)	(4 2 -3)	1.049	1.230	0.85	53.2	29.1
[4 -1 6]	(2 8 0)	(4 -2 -3)	1.049	1.229	0.85	83.8	23.1
[4 -1 1]	(2 8 0)	(1 -3 -7)	1.049	1.227	0.86	70.4	74.5
[4 -1 -18]	(2 8 0)	(4 -2 1)	1.049	1.224	0.86	81.8	7.5
[4 -1 -14]	(2 8 0)	(4 2 1)	1.049	1.222	0.86	50.9	9.6
[12 -3 2]	(2 8 0)	(2 4 -6)	1.049	1.221	0.86	51.5	82.1

Talc-Triclinic (280) 296 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[12 -3 7]	(2 8 0)	(3 5 -3)	1.049	1.219	0.86	30.2	50.3
[8 -2 -11]	(2 8 0)	(1 -7 2)	1.049	1.219	0.86	42.3	22.5
[12 -3 17]	(2 8 0)	(3 -5 -3)	1.049	1.217	0.86	69.4	24.3
[4 -1 2]	(2 8 0)	(2 -4 -6)	1.049	1.215	0.86	69.5	55.3
[20 -5 -12]	(2 8 0)	(2 -4 5)	1.049	1.213	0.86	75.3	41.5
[20 -5 -4]	(2 8 0)	(2 4 5)	1.049	1.205	0.87	44.7	65.0
[16 -4 -15]	(2 8 0)	(3 -3 4)	1.049	1.204	0.87	87.3	30.7
[16 -4 -9]	(2 8 0)	(3 3 4)	1.049	1.198	0.88	47.8	43.2
[4 -1 -1]	(2 8 0)	(1 7 -3)	1.049	1.195	0.88	25.6	61.2
[12 -3 11]	(2 8 0)	(1 -7 -3)	1.049	1.190	0.88	40.0	35.9
[20 -5 -6]	(2 8 0)	(0 6 -5)	1.049	1.188	0.88	48.0	57.7
[12 -3 -14]	(2 8 0)	(2 -6 3)	1.049	1.187	0.88	59.9	25.8
[8 -2 3]	(2 8 0)	(1 -5 -6)	1.049	1.184	0.89	56.5	64.2
[8 -2 7]	(2 8 0)	(4 2 -4)	1.049	1.182	0.89	55.5	37.3
[8 -2 9]	(2 8 0)	(4 -2 -4)	1.049	1.181	0.89	84.6	30.1
[20 -5 -13]	(2 8 0)	(3 -1 5)	1.049	1.180	0.89	78.6	39.5
[12 -3 -2]	(2 8 0)	(2 6 3)	1.049	1.179	0.89	23.9	67.6
[20 -5 6]	(2 8 0)	(0 6 5)	1.049	1.179	0.89	41.5	70.2
[20 -5 -11]	(2 8 0)	(3 1 5)	1.049	1.178	0.89	64.3	43.7
[4 -1 -9]	(2 8 0)	(4 -2 2)	1.049	1.174	0.89	81.7	14.6
[4 -1 -7]	(2 8 0)	(4 2 2)	1.049	1.171	0.90	52.2	18.3
[16 -4 7]	(2 8 0)	(3 5 -4)	1.049	1.168	0.90	34.9	59.5
[8 -2 3]	(2 8 0)	(3 3 -6)	1.049	1.167	0.90	55.3	64.2
[12 -3 -11]	(2 8 0)	(1 -7 3)	1.049	1.166	0.90	45.6	31.2
[16 -4 17]	(2 8 0)	(3 -5 -4)	1.049	1.165	0.90	69.8	31.6
[8 -2 5]	(2 8 0)	(3 -3 -6)	1.049	1.163	0.90	82.5	48.1
[4 -1 -1]	(2 8 0)	(1 -3 7)	1.049	1.160	0.90	78.5	61.2
[4 -1 1]	(2 8 0)	(1 7 3)	1.049	1.158	0.91	22.4	74.5
[20 -5 16]	(2 8 0)	(4 0 -5)	1.049	1.157	0.91	71.6	40.1
[4 -1 20]	(2 8 0)	(4 -4 -1)	1.049	1.146	0.92	83.6	7.0
[12 -3 -16]	(2 8 0)	(4 0 3)	1.049	1.146	0.92	67.7	23.1
[4 -1 12]	(2 8 0)	(4 4 -1)	1.049	1.145	0.92	36.6	11.7
[4 -1 -8]	(2 8 0)	(0 8 -1)	1.049	1.139	0.92	25.6	16.2
[16 -4 -3]	(2 8 0)	(1 7 -4)	1.049	1.138	0.92	31.8	65.9
[4 -1 8]	(2 8 0)	(0 8 1)	1.049	1.137	0.92	23.6	17.5
[8 -2 -3]	(2 8 0)	(1 -5 6)	1.049	1.135	0.92	64.6	52.9
[16 -4 -1]	(2 8 0)	(0 2 -8)	1.049	1.135	0.92	80.8	76.5
[8 -2 2]	(2 8 0)	(2 0 -8)	1.049	1.133	0.93	83.7	74.5
[12 -3 -17]	(2 8 0)	(3 -5 3)	1.049	1.132	0.93	73.8	22.0
[16 -4 11]	(2 8 0)	(1 -7 -4)	1.049	1.131	0.93	42.6	44.9
[16 -4 1]	(2 8 0)	(0 2 8)	1.049	1.130	0.93	73.0	88.1
[12 -3 -7]	(2 8 0)	(3 5 3)	1.049	1.126	0.93	32.1	42.2
[20 -5 2]	(2 8 0)	(2 6 -5)	1.049	1.122	0.93	36.4	88.3
[20 -5 14]	(2 8 0)	(4 2 -5)	1.049	1.122	0.93	58.0	44.4
[20 -5 18]	(2 8 0)	(4 -2 -5)	1.049	1.121	0.94	85.3	36.4
[20 -5 14]	(2 8 0)	(2 -6 -5)	1.049	1.116	0.94	57.5	44.4
[12 -3 20]	(2 8 0)	(4 -4 -3)	1.049	1.115	0.94	82.8	20.8
[4 -1 -6]	(2 8 0)	(4 -2 3)	1.049	1.113	0.94	81.6	20.9

Talc-Triclinic (280) 296 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[4 -1 -20]	(2 8 0)	(4 -4 1)	1.049	1.112	0.94	84.7	6.8
[4 -1 -3]	(2 8 0)	(3 -3 5)	1.049	1.111	0.94	88.0	36.0
[12 -3 -14]	(2 8 0)	(4 2 3)	1.049	1.110	0.95	53.9	25.8
[4 -1 -12]	(2 8 0)	(4 4 1)	1.049	1.108	0.95	37.5	11.1
[20 -5 7]	(2 8 0)	(3 5 -5)	1.049	1.107	0.95	39.8	66.1
[4 -1 -2]	(2 8 0)	(2 -4 6)	1.049	1.107	0.95	77.1	46.1
[20 -5 -9]	(2 8 0)	(3 3 5)	1.049	1.105	0.95	51.1	48.6
[16 -4 -11]	(2 8 0)	(1 -7 4)	1.049	1.104	0.95	49.1	38.1
[20 -5 17]	(2 8 0)	(3 -5 -5)	1.049	1.103	0.95	70.4	38.2
[12 -3 -2]	(2 8 0)	(2 4 6)	1.049	1.099	0.95	48.9	67.6
[16 -4 3]	(2 8 0)	(1 7 4)	1.049	1.096	0.96	28.1	80.1
[12 -3 -8]	(2 8 0)	(0 8 -3)	1.049	1.079	0.97	33.0	38.9
[20 -5 -3]	(2 8 0)	(1 7 -5)	1.049	1.073	0.98	37.4	69.0
[12 -3 8]	(2 8 0)	(0 8 3)	1.049	1.073	0.98	28.3	45.9
[16 -4 -17]	(2 8 0)	(3 -5 4)	1.049	1.067	0.98	75.2	27.9
[20 -5 11]	(2 8 0)	(1 -7 -5)	1.049	1.066	0.98	45.4	52.3
[16 -4 -7]	(2 8 0)	(3 5 4)	1.049	1.061	0.99	36.3	49.3
[12 -3 7]	(2 8 0)	(4 2 -6)	1.049	1.057	0.99	60.6	50.3
[4 -1 3]	(2 8 0)	(4 -2 -6)	1.049	1.056	0.99	86.0	42.1
[4 -1 19]	(2 8 0)	(3 -7 -1)	1.049	1.052	1.00	60.0	7.3
[0 0 1]	(2 8 0)	(2 -8 0)	1.049	1.051	1.00	47.4	0.0
[4 -1 16]	(2 8 0)	(2 -8 -1)	1.049	1.051	1.00	46.8	8.7
[0 0 1]	(2 8 0)	(3 -7 0)	1.049	1.049	1.00	60.6	0.0
[8 -2 19]	(2 8 0)	(5 1 -2)	1.049	1.048	1.00	60.4	14.7
[8 -2 -9]	(2 8 0)	(4 -2 4)	1.049	1.047	1.00	81.7	26.6
[20 -5 -14]	(2 8 0)	(2 -6 5)	1.049	1.046	1.00	64.7	37.7
[8 -2 -7]	(2 8 0)	(4 2 4)	1.049	1.044	1.00	55.8	32.3
[12 -3 1]	(2 8 0)	(1 1 -9)	1.049	1.044	1.00	83.3	89.9
[8 -2 19]	(2 8 0)	(3 -7 -2)	1.049	1.042	1.01	59.8	14.7
[0 0 1]	(2 8 0)	(5 -1 0)	1.049	1.039	1.01	72.7	0.0
[0 0 1]	(2 8 0)	(5 1 0)	1.049	1.039	1.01	59.7	0.0
[4 -1 -16]	(2 8 0)	(2 -8 1)	1.049	1.038	1.01	48.6	8.5
[20 -5 -11]	(2 8 0)	(1 -7 5)	1.049	1.038	1.01	52.6	43.7
[20 -5 -2]	(2 8 0)	(2 6 5)	1.049	1.038	1.01	34.9	73.2
[4 -1 8]	(2 8 0)	(2 -8 -2)	1.049	1.037	1.01	46.9	17.5
[20 -5 12]	(2 8 0)	(4 4 -5)	1.049	1.034	1.01	46.0	49.4
[4 -1 7]	(2 8 0)	(5 -1 -3)	1.049	1.033	1.02	74.1	19.9
[12 -3 19]	(2 8 0)	(5 1 -3)	1.049	1.033	1.02	61.3	21.9
[4 -1 4]	(2 8 0)	(4 -4 -5)	1.049	1.032	1.02	82.5	33.3
[20 -5 3]	(2 8 0)	(1 7 5)	1.049	1.030	1.02	33.2	83.6
[12 -3 -20]	(2 8 0)	(4 -4 3)	1.049	1.027	1.02	85.9	19.1
[4 -1 -4]	(2 8 0)	(4 4 3)	1.049	1.023	1.03	41.7	29.2
[12 -3 5]	(2 8 0)	(3 7 -3)	1.049	1.022	1.03	21.7	61.0
[12 -3 19]	(2 8 0)	(3 -7 -3)	1.049	1.020	1.03	60.1	21.9
[8 -2 1]	(2 8 0)	(2 4 -8)	1.049	1.018	1.03	59.7	86.0
[4 -1 -19]	(2 8 0)	(5 1 1)	1.049	1.016	1.03	59.9	7.2
[4 -1 -8]	(2 8 0)	(2 -8 2)	1.049	1.014	1.03	50.3	16.2
[8 -2 3]	(2 8 0)	(2 -4 -8)	1.049	1.013	1.04	72.1	64.2

Talc-Triclinic (280) 296 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA[^]C°
[12 -3 16]	(2 8 0)	(2 -8 -3)	1.049	1.012	1.04	47.6	25.7
[8 -2 -2]	(2 8 0)	(2 0 8)	1.049	1.012	1.04	77.6	61.2
[16 -4 19]	(2 8 0)	(5 1 -4)	1.049	1.007	1.04	62.6	28.6
[8 -2 -1]	(2 8 0)	(1 7 -6)	1.049	1.007	1.04	42.5	71.1
[8 -2 -19]	(2 8 0)	(3 -7 2)	1.049	1.005	1.04	62.9	13.8
[20 -5 -16]	(2 8 0)	(4 0 5)	1.049	1.003	1.05	69.7	34.4
[20 -5 -17]	(2 8 0)	(3 -5 5)	1.049	1.001	1.05	76.6	33.0
[0 0 1]	(2 8 0)	(1 -9 0)	1.049	1.001	1.05	34.7	0.0

Talc-Triclinic (370) 172 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[7 -3 0]	(3 7 0)	(0 0 1)	1.046	9.351	0.11	84.4	83.3
[0 0 1]	(3 7 0)	(0 2 0)	1.046	4.586	0.23	36.9	0.0
[0 0 1]	(3 7 0)	(1 -1 0)	1.046	4.548	0.23	82.7	0.0
[0 0 1]	(3 7 0)	(1 1 0)	1.046	4.538	0.23	23.3	0.0
[7 -3 4]	(3 7 0)	(1 1 -1)	1.046	4.318	0.24	34.0	54.7
[7 -3 10]	(3 7 0)	(1 -1 -1)	1.046	4.312	0.24	85.7	27.2
[7 -3 -6]	(3 7 0)	(0 2 -1)	1.046	4.131	0.25	47.3	36.5
[7 -3 6]	(3 7 0)	(0 2 1)	1.046	4.104	0.25	40.7	41.7
[7 -3 -10]	(3 7 0)	(1 -1 1)	1.046	3.900	0.27	81.4	24.7
[7 -3 -4]	(3 7 0)	(1 1 1)	1.046	3.882	0.27	34.3	46.7
[7 -3 2]	(3 7 0)	(1 1 -2)	1.046	3.501	0.30	50.5	73.5
[7 -3 5]	(3 7 0)	(1 -1 -2)	1.046	3.490	0.30	88.6	47.5
[7 -3 -3]	(3 7 0)	(0 2 -2)	1.046	3.288	0.32	59.7	53.7
[7 -3 3]	(3 7 0)	(0 2 2)	1.046	3.261	0.32	50.5	63.3
[7 -3 -5]	(3 7 0)	(1 -1 2)	1.046	3.071	0.34	81.4	41.1
[7 -3 -2]	(3 7 0)	(1 1 2)	1.046	3.057	0.34	47.0	62.1
[0 0 1]	(3 7 0)	(1 -3 0)	1.046	2.643	0.40	67.2	0.0
[7 -3 14]	(3 7 0)	(2 0 -1)	1.046	2.623	0.40	54.8	19.8
[0 0 1]	(3 7 0)	(2 0 0)	1.046	2.615	0.40	53.0	0.0
[7 -3 16]	(3 7 0)	(1 -3 -1)	1.046	2.590	0.40	66.0	17.4
[7 -3 -2]	(3 7 0)	(0 2 -3)	1.046	2.588	0.40	68.2	62.1
[7 -3 2]	(3 7 0)	(0 2 3)	1.046	2.568	0.41	58.1	73.5
[7 -3 -16]	(3 7 0)	(1 -3 1)	1.046	2.498	0.42	70.1	16.4
[7 -3 7]	(3 7 0)	(2 0 -2)	1.046	2.445	0.43	59.2	37.0
[7 -3 -14]	(3 7 0)	(2 0 1)	1.046	2.425	0.43	54.3	18.5
[7 -3 -1]	(3 7 0)	(1 3 -2)	1.046	2.383	0.44	32.0	72.1
[7 -3 8]	(3 7 0)	(1 -3 -2)	1.046	2.372	0.44	66.6	33.1
[7 -3 20]	(3 7 0)	(2 -2 -1)	1.046	2.277	0.46	84.0	13.9
[7 -3 8]	(3 7 0)	(2 2 -1)	1.046	2.276	0.46	26.1	33.1
[7 -3 -8]	(3 7 0)	(1 -3 2)	1.046	2.235	0.47	73.7	29.5
[7 -3 -12]	(3 7 0)	(0 4 -1)	1.046	2.231	0.47	41.0	21.1
[7 -3 12]	(3 7 0)	(0 4 1)	1.046	2.223	0.47	37.0	22.9
[7 -3 1]	(3 7 0)	(1 3 2)	1.046	2.219	0.47	28.1	84.9
[7 -3 1]	(3 7 0)	(1 1 -4)	1.046	2.203	0.47	69.3	84.9
[14 -6 5]	(3 7 0)	(1 -1 -4)	1.046	2.196	0.48	88.3	68.3
[7 -3 -7]	(3 7 0)	(2 0 2)	1.046	2.148	0.49	57.4	32.7
[7 -3 -20]	(3 7 0)	(2 -2 1)	1.046	2.148	0.49	81.8	13.3
[7 -3 -8]	(3 7 0)	(2 2 1)	1.046	2.140	0.49	27.3	29.5
[14 -6 -3]	(3 7 0)	(0 2 -4)	1.046	2.090	0.50	73.9	66.9
[14 -6 3]	(3 7 0)	(0 2 4)	1.046	2.076	0.50	63.4	79.1
[14 -6 -5]	(3 7 0)	(1 -1 4)	1.046	1.979	0.53	82.1	57.7
[7 -3 -1]	(3 7 0)	(1 1 4)	1.046	1.973	0.53	61.2	72.1
[14 -6 7]	(3 7 0)	(2 0 -4)	1.046	1.890	0.55	69.1	58.8
[7 -3 -4]	(3 7 0)	(0 4 -3)	1.046	1.855	0.56	53.9	46.7
[7 -3 4]	(3 7 0)	(0 4 3)	1.046	1.840	0.57	45.6	54.7
[14 -6 -1]	(3 7 0)	(1 3 -4)	1.046	1.826	0.57	52.3	77.6
[7 -3 4]	(3 7 0)	(1 -3 -4)	1.046	1.814	0.58	70.1	54.7
[7 -3 2]	(3 7 0)	(1 -1 -5)	1.046	1.813	0.58	87.5	73.5

Talc-Triclinic (370) 172 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[0 0 1]	(3 7 0)	(1 -5 0)	1.046	1.733	0.60	56.2	0.0
[7 -3 18]	(3 7 0)	(3 1 -1)	1.046	1.730	0.60	43.1	15.5
[0 0 1]	(3 7 0)	(2 -4 0)	1.046	1.726	0.61	78.2	0.0
[7 -3 -8]	(3 7 0)	(1 5 -1)	1.046	1.719	0.61	21.6	29.5
[0 0 1]	(3 7 0)	(3 -1 0)	1.046	1.713	0.61	63.7	0.0
[0 0 1]	(3 7 0)	(3 1 0)	1.046	1.712	0.61	42.2	0.0
[7 -3 -4]	(3 7 0)	(1 -3 4)	1.046	1.694	0.62	79.8	46.7
[7 -3 9]	(3 7 0)	(3 1 -2)	1.046	1.691	0.62	45.8	29.8
[7 -3 12]	(3 7 0)	(3 -1 -2)	1.046	1.691	0.62	66.3	22.9
[14 -6 1]	(3 7 0)	(1 3 4)	1.046	1.681	0.62	45.3	89.2
[7 -3 1]	(3 7 0)	(2 4 -2)	1.046	1.674	0.62	20.8	84.9
[7 -3 13]	(3 7 0)	(2 -4 -2)	1.046	1.671	0.63	76.5	21.2
[7 -3 -2]	(3 7 0)	(1 -1 5)	1.046	1.657	0.63	82.4	62.1
[7 -3 -4]	(3 7 0)	(1 5 -2)	1.046	1.654	0.63	28.7	46.7
[7 -3 11]	(3 7 0)	(1 -5 -2)	1.046	1.647	0.63	55.7	24.9
[7 -3 -18]	(3 7 0)	(3 1 1)	1.046	1.641	0.64	43.4	14.7
[14 -6 -7]	(3 7 0)	(2 0 4)	1.046	1.625	0.64	63.8	50.0
[7 -3 6]	(3 7 0)	(3 1 -3)	1.046	1.605	0.65	49.9	41.7
[7 -3 8]	(3 7 0)	(3 -1 -3)	1.046	1.604	0.65	68.6	33.1
[7 -3 -11]	(3 7 0)	(1 -5 2)	1.046	1.603	0.65	61.3	22.8
[7 -3 4]	(3 7 0)	(1 5 2)	1.046	1.593	0.66	24.4	54.7
[7 -3 -13]	(3 7 0)	(2 -4 2)	1.046	1.573	0.67	81.2	19.7
[7 -3 -1]	(3 7 0)	(2 4 2)	1.046	1.563	0.67	20.3	72.1
[7 -3 4]	(3 7 0)	(2 -2 -5)	1.046	1.544	0.68	89.6	54.7
[7 -3 -12]	(3 7 0)	(3 -1 2)	1.046	1.538	0.68	64.6	21.1
[7 -3 -9]	(3 7 0)	(3 1 2)	1.046	1.535	0.68	45.9	26.9
[0 0 1]	(3 7 0)	(0 6 0)	1.046	1.529	0.68	36.9	0.0
[7 -3 12]	(3 7 0)	(3 3 -1)	1.046	1.526	0.69	24.4	22.9
[7 -3 -18]	(3 7 0)	(0 6 -1)	1.046	1.511	0.69	39.2	14.7
[7 -3 18]	(3 7 0)	(0 6 1)	1.046	1.507	0.69	36.5	15.5
[7 -3 6]	(3 7 0)	(3 3 -2)	1.046	1.500	0.70	28.4	41.7
[7 -3 15]	(3 7 0)	(3 -3 -2)	1.046	1.499	0.70	84.6	18.5
[14 -6 9]	(3 7 0)	(3 1 -4)	1.046	1.492	0.70	54.3	50.9
[7 -3 6]	(3 7 0)	(3 -1 -4)	1.046	1.490	0.70	71.2	41.7
[7 -3 -1]	(3 7 0)	(0 2 -6)	1.046	1.479	0.71	80.5	72.1
[7 -3 1]	(3 7 0)	(0 2 6)	1.046	1.472	0.71	69.6	84.9
[7 -3 -12]	(3 7 0)	(3 3 1)	1.046	1.462	0.72	25.4	21.1
[14 -6 1]	(3 7 0)	(2 4 -4)	1.046	1.462	0.72	38.2	89.2
[7 -3 -9]	(3 7 0)	(0 6 -2)	1.046	1.457	0.72	43.0	26.9
[14 -6 13]	(3 7 0)	(2 -4 -4)	1.046	1.455	0.72	76.5	39.2
[7 -3 9]	(3 7 0)	(0 6 2)	1.046	1.450	0.72	37.9	29.8
[7 -3 -2]	(3 7 0)	(1 5 -4)	1.046	1.430	0.73	43.2	62.1
[14 -6 11]	(3 7 0)	(1 -5 -4)	1.046	1.421	0.74	59.0	44.5
[7 -3 -8]	(3 7 0)	(3 -1 3)	1.046	1.416	0.74	65.8	29.5
[7 -3 -6]	(3 7 0)	(3 1 3)	1.046	1.414	0.74	49.0	36.5
[7 -3 -15]	(3 7 0)	(3 -3 2)	1.046	1.391	0.75	81.6	17.3
[7 -3 -6]	(3 7 0)	(3 3 2)	1.046	1.385	0.76	29.6	36.5
[14 -6 -11]	(3 7 0)	(1 -5 4)	1.046	1.365	0.77	67.6	38.7

Talc-Triclinic (370) 172 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[7 -3 -4]	(3 7 0)	(2 -2 5)	1.046	1.362	0.77	81.5	46.7
[7 -3 3]	(3 7 0)	(3 3 -4)	1.046	1.356	0.77	39.9	63.3
[7 -3 2]	(3 7 0)	(1 5 4)	1.046	1.354	0.77	36.6	73.5
[14 -6 15]	(3 7 0)	(3 -3 -4)	1.046	1.353	0.77	86.7	34.9
[14 -6 -13]	(3 7 0)	(2 -4 4)	1.046	1.331	0.79	84.1	34.5
[14 -6 -1]	(3 7 0)	(2 4 4)	1.046	1.321	0.79	34.9	77.6
[7 -3 -6]	(3 7 0)	(3 -1 4)	1.046	1.294	0.81	67.2	36.5
[14 -6 -9]	(3 7 0)	(3 1 4)	1.046	1.292	0.81	52.2	43.8
[14 -6 9]	(3 7 0)	(0 6 -4)	1.046	1.284	0.81	51.8	43.8
[14 -6 9]	(3 7 0)	(0 6 4)	1.046	1.275	0.82	43.9	50.9
[0 0 1]	(3 7 0)	(1 -7 0)	1.046	1.272	0.82	51.0	0.0
[0 0 1]	(3 7 0)	(1 7 0)	1.046	1.270	0.82	22.8	0.0
[7 -3 2]	(3 7 0)	(2 0 -7)	1.046	1.270	0.82	78.5	73.5
[7 -3 -14]	(3 7 0)	(1 7 -1)	1.046	1.266	0.83	25.1	18.5
[0 0 1]	(3 7 0)	(3 -5 0)	1.046	1.265	0.83	83.4	0.0
[7 -3 17]	(3 7 0)	(4 -2 -2)	1.046	1.261	0.83	70.4	16.4
[7 -3 11]	(3 7 0)	(4 2 -2)	1.046	1.261	0.83	39.2	24.9
[7 -3 6]	(3 7 0)	(3 -3 -5)	1.046	1.259	0.83	87.7	41.7
[0 0 1]	(3 7 0)	(4 -2 0)	1.046	1.258	0.83	68.9	0.0
[0 0 1]	(3 7 0)	(4 2 0)	1.046	1.256	0.83	37.1	0.0
[7 -3 18]	(3 7 0)	(3 -5 -2)	1.046	1.255	0.83	82.0	15.5
[7 -3 14]	(3 7 0)	(1 7 1)	1.046	1.251	0.84	22.9	19.8
[7 -3 3]	(3 7 0)	(3 1 -6)	1.046	1.249	0.84	62.4	63.3
[7 -3 4]	(3 7 0)	(3 -1 -6)	1.046	1.248	0.84	75.8	54.7
[7 -3 -7]	(3 7 0)	(1 7 -2)	1.046	1.240	0.84	29.1	32.7
[7 -3 14]	(3 7 0)	(1 -7 -2)	1.046	1.236	0.85	50.4	19.8
[7 -3 -14]	(3 7 0)	(1 -7 2)	1.046	1.219	0.86	54.7	18.5
[7 -3 12]	(3 7 0)	(3 -5 -3)	1.046	1.217	0.86	81.5	22.9
[14 -6 -15]	(3 7 0)	(3 -3 4)	1.046	1.204	0.87	81.3	31.0
[7 -3 -3]	(3 7 0)	(3 3 4)	1.046	1.198	0.87	39.0	53.7
[14 -6 17]	(3 7 0)	(4 -2 -4)	1.046	1.181	0.89	73.2	31.4
[7 -3 -17]	(3 7 0)	(4 -2 2)	1.046	1.174	0.89	68.9	15.5
[7 -3 -11]	(3 7 0)	(4 2 2)	1.046	1.171	0.89	39.8	22.8
[14 -6 1]	(3 7 0)	(1 1 -8)	1.046	1.171	0.89	82.0	89.2
[14 -6 3]	(3 7 0)	(3 5 -4)	1.046	1.168	0.90	30.2	79.1
[7 -3 2]	(3 7 0)	(3 3 -6)	1.046	1.167	0.90	50.5	73.5
[7 -3 9]	(3 7 0)	(3 -5 -4)	1.046	1.165	0.90	81.2	29.8
[7 -3 5]	(3 7 0)	(3 -3 -6)	1.046	1.163	0.90	88.6	47.5
[0 0 1]	(3 7 0)	(0 8 0)	1.046	1.147	0.91	36.9	0.0
[7 -3 16]	(3 7 0)	(4 4 -1)	1.046	1.145	0.91	23.8	17.4
[14 -6 -7]	(3 7 0)	(1 7 -4)	1.046	1.138	0.92	38.9	50.0
[0 0 1]	(3 7 0)	(4 -4 0)	1.046	1.137	0.92	82.7	0.0
[0 0 1]	(3 7 0)	(4 4 0)	1.046	1.134	0.92	23.3	0.0
[7 -3 -12]	(3 7 0)	(3 -5 3)	1.046	1.132	0.92	86.1	21.1
[7 -3 7]	(3 7 0)	(1 -7 -4)	1.046	1.131	0.92	52.6	37.0
[7 -3 -2]	(3 7 0)	(3 5 3)	1.046	1.126	0.93	23.8	62.1
[7 -3 -2]	(3 7 0)	(2 0 7)	1.046	1.123	0.93	70.1	62.1
[7 -3 -7]	(3 7 0)	(1 -7 4)	1.046	1.104	0.95	59.9	32.7

Talc-Triclinic (370) 172 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[7 -3 2]	(3 7 0)	(1 -3 -8)	1.046	1.097	0.95	75.4	73.5
[14 -6 -1]	(3 7 0)	(1 1 8)	1.046	1.097	0.95	71.8	77.6
[7 -3 -4]	(3 7 0)	(3 -1 6)	1.046	1.077	0.97	69.8	46.7
[7 -3 -3]	(3 7 0)	(3 1 6)	1.046	1.075	0.97	57.8	53.7
[7 -3 8]	(3 7 0)	(0 8 3)	1.046	1.073	0.97	38.5	33.1
[7 -3 -9]	(3 7 0)	(3 -5 4)	1.046	1.067	0.98	87.0	26.9
[14 -6 -3]	(3 7 0)	(3 5 4)	1.046	1.061	0.99	29.2	66.9
[0 0 1]	(3 7 0)	(2 -8 0)	1.046	1.051	1.00	60.6	0.0
[0 0 1]	(3 7 0)	(3 -7 0)	1.046	1.049	1.00	73.9	0.0
[7 -3 19]	(3 7 0)	(5 -1 -2)	1.046	1.048	1.00	60.6	14.7
[7 -3 16]	(3 7 0)	(5 1 -2)	1.046	1.048	1.00	47.7	17.4
[14 -6 -17]	(3 7 0)	(4 -2 4)	1.046	1.047	1.00	69.9	28.2
[14 -6 -11]	(3 7 0)	(4 2 4)	1.046	1.044	1.00	45.0	38.7
[7 -3 -2]	(3 7 0)	(1 -3 8)	1.046	1.043	1.00	86.2	62.1
[7 -3 1]	(3 7 0)	(3 5 -6)	1.046	1.041	1.00	41.5	84.9
[0 0 1]	(3 7 0)	(5 -1 0)	1.046	1.039	1.01	59.5	0.0
[7 -3 3]	(3 7 0)	(3 -1 -8)	1.046	1.039	1.01	79.5	63.3
[0 0 1]	(3 7 0)	(5 1 0)	1.046	1.039	1.01	46.5	0.0
[7 -3 19]	(3 7 0)	(2 -8 -2)	1.046	1.037	1.01	59.6	14.7
[7 -3 6]	(3 7 0)	(3 -5 -6)	1.046	1.036	1.01	80.9	41.7
[7 -3 14]	(3 7 0)	(3 -7 -3)	1.046	1.020	1.03	72.4	19.8
[7 -3 -2]	(3 7 0)	(3 3 6)	1.046	1.019	1.03	47.0	62.1
[7 -3 -19]	(3 7 0)	(2 -8 2)	1.046	1.014	1.03	63.1	14.0
[7 -3 4]	(3 7 0)	(4 0 -7)	1.046	1.014	1.03	66.8	54.7
[7 -3 8]	(3 7 0)	(5 1 -4)	1.046	1.007	1.04	51.2	33.1
[14 -6 19]	(3 7 0)	(5 -1 -4)	1.046	1.007	1.04	63.2	28.4
[0 0 1]	(3 7 0)	(1 -9 0)	1.046	1.001	1.05	47.9	0.0

Talc-Triclinic (510) 228 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$
[1 -5 0]	(5 1 0)	(0 0 1)	1.039	9.351	0.11	81.3	89.5
[0 0 1]	(5 1 0)	(0 2 0)	1.039	4.586	0.23	83.3	0.0
[0 0 1]	(5 1 0)	(1 -1 0)	1.039	4.548	0.23	36.2	0.0
[0 0 1]	(5 1 0)	(1 1 0)	1.039	4.538	0.23	23.1	0.0
[1 -5 -4]	(5 1 0)	(1 1 -1)	1.039	4.318	0.24	36.4	50.4
[1 -5 6]	(5 1 0)	(1 -1 -1)	1.039	4.312	0.24	46.0	39.3
[1 -5 -10]	(5 1 0)	(0 2 -1)	1.039	4.131	0.25	87.8	26.0
[1 -5 10]	(5 1 0)	(0 2 1)	1.039	4.104	0.25	80.2	26.0
[1 -5 -6]	(5 1 0)	(1 -1 1)	1.039	3.900	0.27	41.0	39.0
[1 -5 4]	(5 1 0)	(1 1 1)	1.039	3.882	0.27	31.9	50.9
[1 -5 -2]	(5 1 0)	(1 1 -2)	1.039	3.501	0.30	53.4	67.3
[1 -5 3]	(5 1 0)	(1 -1 -2)	1.039	3.490	0.30	59.6	58.8
[1 -5 -5]	(5 1 0)	(0 -2 2)	1.039	3.288	0.32	88.7	44.1
[1 -5 5]	(5 1 0)	(0 2 2)	1.039	3.261	0.32	79.2	44.5
[1 -5 -3]	(5 1 0)	(1 -1 2)	1.039	3.071	0.34	49.9	58.1
[1 -5 2]	(5 1 0)	(1 1 2)	1.039	3.057	0.34	44.1	68.2
[3 -15 -4]	(5 1 0)	(1 1 -3)	1.039	2.748	0.38	64.9	74.2
[1 -5 2]	(5 1 0)	(1 -1 -3)	1.039	2.739	0.38	69.3	68.2
[0 0 1]	(5 1 0)	(1 -3 0)	1.039	2.643	0.39	66.3	0.0
[0 0 1]	(5 1 0)	(1 3 0)	1.039	2.636	0.39	53.1	0.0
[1 -5 -14]	(5 1 0)	(1 3 -1)	1.039	2.594	0.40	56.7	19.2
[1 -5 16]	(5 1 0)	(1 -3 -1)	1.039	2.590	0.40	69.4	16.9
[3 -15 -10]	(5 1 0)	(0 -2 3)	1.039	2.588	0.40	86.6	55.3
[3 -15 10]	(5 1 0)	(0 2 3)	1.039	2.568	0.40	79.1	56.0
[1 -5 -16]	(5 1 0)	(1 -3 1)	1.039	2.498	0.42	65.2	17.0
[1 -5 14]	(5 1 0)	(1 3 1)	1.039	2.484	0.42	52.7	19.2
[1 -5 1]	(5 1 0)	(2 0 -2)	1.039	2.445	0.42	31.8	78.9
[1 -5 -2]	(5 1 0)	(1 -1 3)	1.039	2.431	0.43	56.7	67.3
[3 -15 4]	(5 1 0)	(1 1 3)	1.039	2.421	0.43	52.6	75.2
[1 -5 -7]	(5 1 0)	(1 3 -2)	1.039	2.383	0.44	62.2	34.8
[1 -5 8]	(5 1 0)	(1 -3 -2)	1.039	2.372	0.44	73.5	31.5
[1 -5 12]	(5 1 0)	(2 -2 -1)	1.039	2.277	0.46	39.6	22.1
[1 -5 -8]	(5 1 0)	(2 2 -1)	1.039	2.276	0.46	27.6	31.3
[1 -5 -8]	(5 1 0)	(1 -3 2)	1.039	2.235	0.46	65.7	31.3
[1 -5 -20]	(5 1 0)	(0 4 -1)	1.039	2.231	0.47	85.6	13.8
[1 -5 20]	(5 1 0)	(0 4 1)	1.039	2.223	0.47	81.5	13.7
[1 -5 7]	(5 1 0)	(1 3 2)	1.039	2.219	0.47	54.7	35.0
[1 -5 -1]	(5 1 0)	(1 1 -4)	1.039	2.203	0.47	72.3	77.9
[2 -10 3]	(5 1 0)	(1 -1 -4)	1.039	2.196	0.47	75.7	73.4
[3 -15 2]	(5 1 0)	(2 0 -3)	1.039	2.171	0.48	44.0	82.7
[1 -5 -1]	(5 1 0)	(2 0 2)	1.039	2.148	0.48	27.7	77.9
[1 -5 -12]	(5 1 0)	(2 -2 1)	1.039	2.148	0.48	37.2	22.1
[1 -5 8]	(5 1 0)	(2 2 1)	1.039	2.140	0.49	25.6	31.5
[3 -15 -14]	(5 1 0)	(1 3 -3)	1.039	2.101	0.49	67.8	46.1
[2 -10 -5]	(5 1 0)	(0 -2 4)	1.039	2.090	0.50	85.3	62.5
[3 -15 16]	(5 1 0)	(1 -3 -3)	1.039	2.088	0.50	77.5	42.7
[2 -10 5]	(5 1 0)	(0 2 4)	1.039	2.076	0.50	79.3	63.3
[2 -10 -3]	(5 1 0)	(1 -1 4)	1.039	1.979	0.52	61.4	72.4

Talc-Triclinic (510) 228 Zone Axes
 a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°
 Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[1 -5 1]	(5 1 0)	(1 1 4)	1.039	1.973	0.53	58.2	78.9
[3 -15 -8]	(5 1 0)	(2 2 -3)	1.039	1.965	0.53	45.5	61.0
[1 -5 4]	(5 1 0)	(2 -2 -3)	1.039	1.960	0.53	53.1	50.9
[3 -15 -16]	(5 1 0)	(1 -3 3)	1.039	1.950	0.53	67.0	42.3
[3 -15 14]	(5 1 0)	(1 3 3)	1.039	1.935	0.54	57.7	46.5
[2 -10 1]	(5 1 0)	(2 0 -4)	1.039	1.890	0.55	53.4	84.7
[3 -15 -2]	(5 1 0)	(2 0 3)	1.039	1.869	0.56	36.8	81.7
[3 -15 -20]	(5 1 0)	(0 4 -3)	1.039	1.855	0.56	89.8	36.1
[3 -15 20]	(5 1 0)	(0 4 3)	1.039	1.840	0.56	79.5	36.3
[2 -10 -7]	(5 1 0)	(1 3 -4)	1.039	1.826	0.57	72.6	54.0
[1 -5 4]	(5 1 0)	(1 -3 -4)	1.039	1.814	0.57	80.9	50.9
[1 -5 -2]	(5 1 0)	(0 -2 5)	1.039	1.737	0.60	84.5	67.3
[1 -5 -4]	(5 1 0)	(2 -2 3)	1.039	1.735	0.60	45.6	50.4
[0 0 1]	(5 1 0)	(1 -5 0)	1.039	1.733	0.60	77.3	0.0
[1 -5 8]	(5 1 0)	(3 -1 -1)	1.039	1.731	0.60	20.5	31.5
[0 0 1]	(5 1 0)	(1 5 0)	1.039	1.730	0.60	64.0	0.0
[1 -5 2]	(5 1 0)	(0 2 5)	1.039	1.727	0.60	79.5	68.2
[3 -15 8]	(5 1 0)	(2 2 3)	1.039	1.727	0.60	38.4	61.7
[0 0 1]	(5 1 0)	(2 -4 0)	1.039	1.726	0.60	55.3	0.0
[1 -5 -18]	(5 1 0)	(2 4 -1)	1.039	1.726	0.60	44.3	15.2
[0 0 1]	(5 1 0)	(2 4 0)	1.039	1.722	0.60	42.2	0.0
[1 -5 -4]	(5 1 0)	(1 -3 4)	1.039	1.694	0.61	68.5	50.4
[1 -5 -1]	(5 1 0)	(3 1 -2)	1.039	1.691	0.61	21.4	77.9
[1 -5 4]	(5 1 0)	(3 -1 -2)	1.039	1.691	0.61	27.4	50.9
[2 -10 7]	(5 1 0)	(1 3 4)	1.039	1.681	0.62	60.6	54.7
[1 -5 -9]	(5 1 0)	(2 4 -2)	1.039	1.674	0.62	48.2	28.4
[1 -5 11]	(5 1 0)	(2 -4 -2)	1.039	1.671	0.62	60.2	23.9
[1 -5 18]	(5 1 0)	(2 4 1)	1.039	1.662	0.62	42.1	15.1
[1 -5 -12]	(5 1 0)	(1 5 -2)	1.039	1.654	0.63	68.6	22.1
[1 -5 13]	(5 1 0)	(1 -5 -2)	1.039	1.647	0.63	81.0	20.6
[2 -10 -1]	(5 1 0)	(2 0 4)	1.039	1.625	0.64	43.7	83.6
[3 -15 -2]	(5 1 0)	(3 1 -3)	1.039	1.605	0.65	31.0	81.7
[3 -15 8]	(5 1 0)	(3 -1 -3)	1.039	1.604	0.65	35.3	61.7
[1 -5 -13]	(5 1 0)	(1 -5 2)	1.039	1.603	0.65	75.2	20.6
[1 -5 12]	(5 1 0)	(1 5 2)	1.039	1.593	0.65	63.0	22.1
[1 -5 -6]	(5 1 0)	(2 4 -3)	1.039	1.579	0.66	52.9	39.0
[1 -5 -11]	(5 1 0)	(2 -4 2)	1.039	1.573	0.66	55.3	23.9
[1 -5 9]	(5 1 0)	(2 4 2)	1.039	1.563	0.66	43.7	28.5
[1 -5 -8]	(5 1 0)	(1 5 -3)	1.039	1.551	0.67	71.5	31.3
[3 -15 -2]	(5 1 0)	(1 1 -6)	1.039	1.539	0.67	80.6	81.7
[1 -5 -4]	(5 1 0)	(3 -1 2)	1.039	1.538	0.68	25.0	50.4
[1 -5 1]	(5 1 0)	(1 -1 -6)	1.039	1.536	0.68	82.9	78.9
[0 0 1]	(5 1 0)	(0 6 0)	1.039	1.529	0.68	83.3	0.0
[1 -5 18]	(5 1 0)	(3 -3 -1)	1.039	1.528	0.68	38.0	15.1
[1 -5 -12]	(5 1 0)	(3 3 -1)	1.039	1.526	0.68	25.4	22.1
[1 -5 -6]	(5 1 0)	(3 3 -2)	1.039	1.500	0.69	30.3	39.0
[1 -5 9]	(5 1 0)	(3 -3 -2)	1.039	1.499	0.69	41.5	28.5
[2 -10 -1]	(5 1 0)	(3 1 -4)	1.039	1.492	0.70	39.4	83.6

Talc-Triclinic (510) 228 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[1 -5 2]	(5 1 0)	(3 -1 -4)	1.039	1.490	0.70	42.7	68.2
[3 -15 -5]	(5 1 0)	(0 -2 6)	1.039	1.479	0.70	83.9	70.7
[1 -5 8]	(5 1 0)	(1 5 3)	1.039	1.477	0.70	63.6	31.5
[3 -15 5]	(5 1 0)	(0 2 6)	1.039	1.472	0.71	79.6	71.6
[1 -5 -18]	(5 1 0)	(3 -3 1)	1.039	1.467	0.71	36.4	15.2
[1 -5 12]	(5 1 0)	(3 3 1)	1.039	1.462	0.71	24.1	22.1
[2 -10 -9]	(5 1 0)	(2 4 -4)	1.039	1.462	0.71	57.6	47.1
[1 -5 -15]	(5 1 0)	(0 6 -2)	1.039	1.457	0.71	86.4	18.1
[2 -10 11]	(5 1 0)	(2 -4 -4)	1.039	1.455	0.71	67.3	41.8
[1 -5 -4]	(5 1 0)	(0 -4 5)	1.039	1.455	0.71	87.5	50.4
[1 -5 15]	(5 1 0)	(0 6 2)	1.039	1.450	0.72	81.0	18.0
[1 -5 6]	(5 1 0)	(2 4 3)	1.039	1.444	0.72	46.2	39.3
[1 -5 4]	(5 1 0)	(0 4 5)	1.039	1.444	0.72	79.1	50.9
[3 -15 1]	(5 1 0)	(2 0 -6)	1.039	1.438	0.72	66.0	86.6
[1 -5 -6]	(5 1 0)	(1 5 -4)	1.039	1.430	0.73	74.3	39.0
[2 -10 13]	(5 1 0)	(1 -5 -4)	1.039	1.421	0.73	84.9	37.0
[1 -5 -1]	(5 1 0)	(1 -1 6)	1.039	1.420	0.73	67.1	77.9
[3 -15 2]	(5 1 0)	(1 1 6)	1.039	1.416	0.73	64.9	82.7
[3 -15 -8]	(5 1 0)	(3 -1 3)	1.039	1.416	0.73	30.9	61.0
[3 -15 2]	(5 1 0)	(3 1 3)	1.039	1.414	0.73	26.9	82.7
[3 -15 -7]	(5 1 0)	(1 3 -6)	1.039	1.393	0.75	79.5	64.0
[1 -5 -9]	(5 1 0)	(3 -3 2)	1.039	1.391	0.75	38.3	28.4
[1 -5 6]	(5 1 0)	(3 3 2)	1.039	1.385	0.75	27.5	39.3
[3 -15 8]	(5 1 0)	(1 -3 -6)	1.039	1.385	0.75	85.6	61.7
[2 -10 -13]	(5 1 0)	(1 -5 4)	1.039	1.365	0.76	74.9	36.8
[1 -5 -3]	(5 1 0)	(3 3 -4)	1.039	1.356	0.77	42.5	58.1
[1 -5 6]	(5 1 0)	(1 5 4)	1.039	1.354	0.77	64.5	39.3
[2 -10 9]	(5 1 0)	(3 -3 -4)	1.039	1.353	0.77	50.8	47.6
[2 -10 -11]	(5 1 0)	(2 -4 4)	1.039	1.331	0.78	58.4	41.4
[2 -10 9]	(5 1 0)	(2 4 4)	1.039	1.321	0.79	49.1	47.6
[3 -15 -8]	(5 1 0)	(1 -3 6)	1.039	1.304	0.80	71.1	61.0
[3 -15 7]	(5 1 0)	(1 3 6)	1.039	1.295	0.80	65.1	64.9
[1 -5 -2]	(5 1 0)	(3 -1 4)	1.039	1.294	0.80	36.4	67.3
[2 -10 1]	(5 1 0)	(3 1 4)	1.039	1.292	0.80	33.3	84.7
[2 -10 -15]	(5 1 0)	(0 6 -4)	1.039	1.284	0.81	89.2	33.0
[3 -15 4]	(5 1 0)	(4 0 -3)	1.039	1.276	0.81	24.7	75.2
[2 -10 15]	(5 1 0)	(0 6 4)	1.039	1.275	0.81	79.7	33.1
[0 0 1]	(5 1 0)	(1 -7 0)	1.039	1.272	0.82	82.6	0.0
[1 -5 14]	(5 1 0)	(4 -2 -1)	1.039	1.271	0.82	24.0	19.2
[0 0 1]	(5 1 0)	(1 7 0)	1.039	1.270	0.82	69.3	0.0
[0 0 1]	(5 1 0)	(3 -5 0)	1.039	1.265	0.82	50.1	0.0
[0 0 1]	(5 1 0)	(3 5 0)	1.039	1.262	0.82	37.0	0.0
[1 -5 7]	(5 1 0)	(4 -2 -2)	1.039	1.261	0.82	27.6	35.0
[0 0 1]	(5 1 0)	(4 -2 0)	1.039	1.258	0.83	22.4	0.0
[3 -15 -1]	(5 1 0)	(2 0 6)	1.039	1.258	0.83	53.1	85.6
[1 -5 -11]	(5 1 0)	(3 5 -2)	1.039	1.255	0.83	41.0	23.9
[1 -5 14]	(5 1 0)	(3 -5 -2)	1.039	1.255	0.83	53.5	19.2
[3 -15 -1]	(5 1 0)	(3 1 -6)	1.039	1.249	0.83	52.6	85.6

Talc-Triclinic (510) 228 Zone Axes **a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°**Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	d (hk0)	d (hkl)	d Ratio	θ°	ZA $^\circ$ C $^\circ$
[3 -15 4]	(5 1 0)	(3 -1 -6)	1.039	1.248	0.83	54.9	75.2
[1 -5 -17]	(5 1 0)	(1 7 -2)	1.039	1.240	0.84	72.2	16.1
[1 -5 18]	(5 1 0)	(1 -7 -2)	1.039	1.236	0.84	85.1	15.1
[1 -5 -2]	(5 1 0)	(1 3 -7)	1.039	1.234	0.84	81.8	67.3
[1 -5 -2]	(5 1 0)	(4 2 -3)	1.039	1.230	0.84	25.0	67.3
[3 -15 14]	(5 1 0)	(4 -2 -3)	1.039	1.229	0.85	32.5	46.5
[1 -5 -14]	(5 1 0)	(4 -2 1)	1.039	1.224	0.85	23.2	19.2
[1 -5 -18]	(5 1 0)	(1 -7 2)	1.039	1.219	0.85	80.6	15.2
[3 -15 11]	(5 1 0)	(2 -4 -6)	1.039	1.215	0.86	73.6	53.4
[1 -5 17]	(5 1 0)	(1 7 2)	1.039	1.212	0.86	67.9	16.0
[2 -10 -9]	(5 1 0)	(3 -3 4)	1.039	1.204	0.86	44.1	47.1
[1 -5 3]	(5 1 0)	(3 3 4)	1.039	1.198	0.87	36.3	58.8
[1 -5 -4]	(5 1 0)	(1 5 -6)	1.039	1.193	0.87	79.2	50.4
[1 -5 12]	(5 1 0)	(1 -7 -3)	1.039	1.190	0.87	86.4	22.1
[1 -5 -6]	(5 1 0)	(0 -6 5)	1.039	1.188	0.87	89.7	39.0
[3 -15 13]	(5 1 0)	(1 -5 -6)	1.039	1.184	0.88	88.0	48.7
[2 -10 -3]	(5 1 0)	(4 2 -4)	1.039	1.182	0.88	31.6	72.4
[2 -10 7]	(5 1 0)	(4 -2 -4)	1.039	1.181	0.88	37.7	54.7
[1 -5 6]	(5 1 0)	(0 6 5)	1.039	1.179	0.88	79.4	39.3
[1 -5 -7]	(5 1 0)	(4 -2 2)	1.039	1.174	0.89	25.8	34.8
[2 -10 -1]	(5 1 0)	(1 1 -8)	1.039	1.171	0.89	85.1	83.6
[4 -20 3]	(5 1 0)	(1 -1 -8)	1.039	1.169	0.89	86.8	81.8
[2 -10 -11]	(5 1 0)	(3 5 -4)	1.039	1.168	0.89	48.4	41.4
[1 -5 -2]	(5 1 0)	(3 3 -6)	1.039	1.167	0.89	53.4	67.3
[1 -5 -12]	(5 1 0)	(1 -7 3)	1.039	1.166	0.89	79.9	22.1
[1 -5 7]	(5 1 0)	(3 -5 -4)	1.039	1.165	0.89	59.0	35.0
[1 -5 3]	(5 1 0)	(3 -3 -6)	1.039	1.163	0.89	59.6	58.8
[1 -5 2]	(5 1 0)	(1 3 7)	1.039	1.154	0.90	66.8	68.2
[0 0 1]	(5 1 0)	(0 8 0)	1.039	1.147	0.91	83.3	0.0
[3 -15 -4]	(5 1 0)	(4 0 3)	1.039	1.146	0.91	22.2	74.2
[1 -5 -16]	(5 1 0)	(4 4 -1)	1.039	1.145	0.91	24.6	17.0
[2 -10 -17]	(5 1 0)	(1 7 -4)	1.039	1.138	0.91	75.9	29.8
[0 0 1]	(5 1 0)	(4 -4 0)	1.039	1.137	0.91	36.2	0.0
[3 -15 -13]	(5 1 0)	(1 -5 6)	1.039	1.135	0.92	75.3	48.1
[4 -20 -5]	(5 1 0)	(0 -2 8)	1.039	1.135	0.92	83.2	75.1
[0 0 1]	(5 1 0)	(4 4 0)	1.039	1.134	0.92	23.1	0.0
[4 -20 1]	(5 1 0)	(2 0 -8)	1.039	1.133	0.92	73.5	87.6
[1 -5 9]	(5 1 0)	(1 -7 -4)	1.039	1.131	0.92	87.6	28.5
[4 -20 5]	(5 1 0)	(0 2 8)	1.039	1.130	0.92	80.0	76.1
[1 -5 4]	(5 1 0)	(1 5 6)	1.039	1.126	0.92	66.8	50.9
[3 -15 -16]	(5 1 0)	(4 4 -3)	1.039	1.116	0.93	31.8	42.3
[1 -5 8]	(5 1 0)	(4 -4 -3)	1.039	1.115	0.93	42.5	31.5
[3 -15 -14]	(5 1 0)	(4 -2 3)	1.039	1.113	0.93	29.4	46.1
[3 -15 -11]	(5 1 0)	(2 -4 6)	1.039	1.107	0.94	61.9	52.8
[1 -5 -9]	(5 1 0)	(1 -7 4)	1.039	1.104	0.94	79.4	28.4
[4 -20 -7]	(5 1 0)	(1 3 -8)	1.039	1.103	0.94	83.7	69.8
[1 -5 3]	(5 1 0)	(2 4 6)	1.039	1.099	0.95	54.6	58.8
[4 -20 -3]	(5 1 0)	(1 -1 8)	1.039	1.099	0.95	70.3	80.7

Talc-Triclinic (510) 228 Zone Axes a 5.290Å b 9.173Å c 9.460Å α 90.46° β 98.68° γ 90.09°Space Group C-1 permits only $(h+k)=2n$

[U V W]	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	d Ratio	θ°	$ZA^\circ C^\circ$
[1 -5 2]	(5 1 0)	(1 -3 -8)	1.039	1.097	0.95	88.6	68.2
[2 -10 1]	(5 1 0)	(1 1 8)	1.039	1.097	0.95	68.7	84.7
[3 -15 -4]	(5 1 0)	(3 -1 6)	1.039	1.077	0.96	45.2	74.2
[3 -15 1]	(5 1 0)	(3 1 6)	1.039	1.075	0.97	43.1	86.6
[1 -5 -7]	(5 1 0)	(3 -5 4)	1.039	1.067	0.97	52.4	34.8
[2 -10 11]	(5 1 0)	(3 5 4)	1.039	1.061	0.98	42.3	41.8
[1 -5 -1]	(5 1 0)	(4 2 -6)	1.039	1.057	0.98	43.3	77.9
[3 -15 7]	(5 1 0)	(4 -2 -6)	1.039	1.056	0.98	47.7	64.9
[0 0 1]	(5 1 0)	(2 -8 0)	1.039	1.051	0.99	73.0	0.0
[2 -10 -7]	(5 1 0)	(4 -2 4)	1.039	1.047	0.99	33.2	54.0
[0 0 1]	(5 1 0)	(3 7 0)	1.039	1.046	0.99	46.5	0.0
[2 -10 3]	(5 1 0)	(4 2 4)	1.039	1.044	0.99	27.4	73.4
[1 -5 -16]	(5 1 0)	(3 7 -2)	1.039	1.043	1.00	49.2	17.0
[1 -5 19]	(5 1 0)	(3 -7 -2)	1.039	1.042	1.00	62.1	14.3
[3 -15 2]	(5 1 0)	(1 -1 -9)	1.039	1.042	1.00	88.1	82.7
[3 -15 -11]	(5 1 0)	(3 5 -6)	1.039	1.041	1.00	56.1	52.8
[4 -20 -1]	(5 1 0)	(3 1 -8)	1.039	1.041	1.00	61.8	86.5
[1 -5 1]	(5 1 0)	(3 -1 -8)	1.039	1.039	1.00	63.6	78.9
[1 -5 -19]	(5 1 0)	(2 8 -2)	1.039	1.039	1.00	62.2	14.5
[4 -20 7]	(5 1 0)	(1 3 8)	1.039	1.037	1.00	68.3	70.7
[3 -15 14]	(5 1 0)	(3 -5 -6)	1.039	1.036	1.00	64.9	46.5
[3 -15 10]	(5 1 0)	(5 -1 -3)	1.039	1.033	1.01	23.3	56.0
[3 -15 16]	(5 1 0)	(4 4 3)	1.039	1.023	1.02	28.6	42.7
[1 -5 2]	(5 1 0)	(3 3 6)	1.039	1.019	1.02	44.1	68.2
[4 -20 -9]	(5 1 0)	(2 4 -8)	1.039	1.018	1.02	72.1	64.8
[4 -20 11]	(5 1 0)	(2 -4 -8)	1.039	1.013	1.03	78.3	61.0
[1 -5 14]	(5 1 0)	(2 -8 -3)	1.039	1.012	1.03	76.5	19.2
[4 -20 -1]	(5 1 0)	(2 0 8)	1.039	1.012	1.03	59.0	86.5
[1 -5 19]	(5 1 0)	(2 8 2)	1.039	1.009	1.03	58.8	14.3
[1 -5 0]	(5 1 0)	(5 1 -4)	1.039	1.007	1.03	25.2	89.5
[2 -10 5]	(5 1 0)	(5 -1 -4)	1.039	1.007	1.03	28.5	63.3
[3 -15 -17]	(5 1 0)	(1 7 -6)	1.039	1.007	1.03	79.5	40.6
[1 -5 -19]	(5 1 0)	(3 -7 2)	1.039	1.005	1.03	58.9	14.5
[1 -5 16]	(5 1 0)	(3 7 2)	1.039	1.000	1.04	46.3	16.9