

d-Spacing	Two-Theta	Phase
<b>7.627</b>	<b>11.593</b>	<b>gypsum (100)</b>
<b>7.249</b>	<b>12.200</b>	<b>C4AF (45)</b>
<b>5.997</b>	<b>14.759</b>	<b>bassanite (80)</b>
5.970	14.827	triclinic C3S (12)
5.953	14.869	triclinic C3S (12)
5.927	14.935	triclinic C3S (12)
5.927	14.935	mono. C3S (12)
5.610	15.784	$\gamma$ C2S (19)
5.107	17.350	C3Ao (10)
4.917	18.026	aphthitalite (10)
4.659	19.033	thenardite (71)
4.640	19.112	$\alpha'$ C2S (30)
4.316	20.561	$\gamma$ C2S (45)
<b>4.284</b>	<b>20.717</b>	<b>gypsum (100)</b>
4.253	20.869	langbeinite (30)
<b>4.235</b>	<b>20.959</b>	<b>C3Ac (6)</b>
4.222	21.024	langbeinite (25)
4.188	21.197	langbeinite (16)
<b>4.175</b>	<b>21.264</b>	<b>arcanite (28)</b>
<b>4.158</b>	<b>21.352</b>	<b>arcanite (23)</b>
4.091	21.706	aphthitalite (30)
<b>4.079</b>	<b>21.770</b>	<b>C3Ac (12)</b>
4.059	21.879	$\gamma$ C2S (20)
3.900	22.783	$\alpha$ C2S (20)
3.886	22.866	triclinic C3S (10)
3.855	23.052	calcite (9)
3.838	23.156	thenardite (17)
3.817	23.285	$\gamma$ C2S (509)
3.810	23.328	$\alpha'$ C2S (30)
<b>3.799</b>	<b>23.397</b>	<b>gypsum (17)</b>
3.764	23.617	$\gamma$ C2S (119)
3.744	23.745	arcanite (18)
<b>3.670</b>	<b>24.231</b>	<b>aphthitalite (20)</b>
<b>3.653</b>	<b>24.346</b>	<b>C4AF (16)</b>
<b>3.497</b>	<b>25.450</b>	<b>anhydrite (100)</b>
<b>3.468</b>	<b>25.666</b>	<b>bassanite (40)</b>
3.462	25.711	langbeinite (12)
3.424	26.002	C3Ao (11)
3.385	26.307	arcanite (13)
3.379	26.354	$\gamma$ C2S (25)
3.370	26.426	$\alpha'$ C2S (30)
<b>3.313</b>	<b>26.889</b>	<b>langbeinite (95)</b>
<b>3.271</b>	<b>27.241</b>	<b>langbeinite (80)</b>
<b>3.263</b>	<b>27.309</b>	<b>langbeinite (80)</b>
<b>3.225</b>	<b>27.637</b>	<b>langbeinite (100)</b>
3.180	28.036	thenardite (52)
3.153	28.281	langbeinite (18)
3.114	28.643	langbeinite (18)
3.077	28.995	thenardite (55)
<b>3.065</b>	<b>29.111</b>	<b>gypsum (75)</b>
3.056	29.198	triclinic C3S (60)
3.045	29.306	bassanite (10)

d-Spacing	Two-Theta	Phase
3.038	29.375	M1 C3S (50)
3.036	29.400	calcite (100)
<b>3.036</b>	<b>29.395</b>	<b>mono C3S (40)</b>
<b>3.034</b>	<b>29.415</b>	<b>m1 C3S (50)</b>
<b>3.025</b>	<b>29.504</b>	<b>triclinic C3S (65)</b>
<b>3.025</b>	<b>29.504</b>	<b>mono C3S (75)</b>
3.011	29.645	$\gamma$ C2S (80)
<b>3.002</b>	<b>29.736</b>	<b>bassanite (80)</b>
<b>3.000</b>	<b>29.756</b>	<b>arcanite (77)</b>
<b>2.985</b>	<b>29.909</b>	<b>triclinic C3S (25)</b>
<b>2.974</b>	<b>30.022</b>	<b>triclinic C3S (18)</b>
2.972	30.043	M1 C3S (20)
2.968	30.084	mono C3S (12)
2.968	30.084	M1 C3S (20)
<b>2.965</b>	<b>30.115</b>	<b>triclinic C3S (20)</b>
<b>2.961</b>	<b>30.157</b>	<b>mono C3S (25)</b>
<b>2.940</b>	<b>30.378</b>	<b>aphthitalite (75)</b>
<b>2.902</b>	<b>30.785</b>	<b>arcanite (100)</b>
2.894	30.872	$\gamma$ C2S (25)
<b>2.886</b>	<b>30.960</b>	<b>arcanite (53)</b>
<b>2.880</b>	<b>31.026</b>	<b>langbeinite (18)</b>
<b>2.876</b>	<b>31.070</b>	<b><math>\beta</math>C2S (21)</b>
2.872	31.115	gypsum (45)
2.870	31.137	$\alpha'$ C2S (30)
2.850	31.361	anhydrite (29)
2.843	31.440	calcite (2)
<b>2.838</b>	<b>31.497</b>	<b>aphthitalite (100)</b>
2.813	31.784	$\beta$ C2S (22)
2.813	31.784	bassanite (100)
2.810	31.819	$\alpha$ C2S (80)
2.790	32.053	$\beta$ C2S (97)
2.788	32.077	triclinic C3S (100)
2.788	32.077	gypsum (10)
2.786	32.101	langbeinite (45)
<b>2.784</b>	<b>32.124</b>	<b>C4AF (25)</b>
2.784	32.124	thenardite (100)
2.782	32.148	$\beta$ C2S (100)
2.776	32.220	free lime (36)
2.775	32.231	M1 C3S (100)
2.775	32.231	langbeinite (50)
2.773	32.255	mono C3S (85)
2.767	32.327	triclinic C3S (70)
2.754	32.484	triclinic C3S (65)
2.750	32.533	$\gamma$ C2S (70)
2.750	32.533	langbeinite (45)
2.747	32.569	mono C3S (45)
2.747	32.569	M1 C3S (40)
2.745	32.593	$\beta$ C2S (83)
2.743	32.618	M1 C3S (60)
2.743	32.618	langbeinite (45)
2.740	32.655	$\alpha'$ C2S (100)
2.737	32.691	mono C3S (75)

d-Spacing	Two-Theta	Phase	d-Spacing	Two-Theta	Phase
2.736	32.704	triclinic C3S (60)	2.268	39.709	bassanite (10)
2.717	32.939	$\beta$ C2S (30)	2.230	40.415	$\alpha'$ C2S (30)
<b>2.714</b>	<b>32.976</b>	<b>C3Ao (65)</b>	2.220	40.605	$\alpha$ C2S (40)
2.714	32.976	bassanite (10)	2.218	40.643	gypsum (15)
<b>2.710</b>	<b>33.026</b>	<b><math>\alpha</math>C2S (100)</b>	2.209	40.816	anhydrite (20)
<b>2.698</b>	<b>33.178</b>	<b>C3Ac (100)</b>	2.205	40.893	C3Ao (20)
<b>2.692</b>	<b>33.254</b>	<b>C3Ao (100)</b>	2.205	40.893	arcanite (14)
2.684	33.356	gypsum (35)	2.203	40.932	C3Ac (10)
2.680	33.407	$\alpha'$ C2S (75)	2.196	41.068	langbeinite (12)
2.673	33.497	C4AF (35)	2.195	41.088	triclinic C3S (75)
2.647	33.836	thenardite (52)	2.189	41.206	$\beta$ C2S (51)
<b>2.644</b>	<b>33.875</b>	<b>C4AF (100)</b>	2.184	41.304	M1 C3S (40)
2.618	34.222	triclinic C3S (60)	2.181	41.364	mono C3S (60)
2.612	34.303	triclinic C3S (90)	2.180	41.383	$\alpha'$ C2S (30)
<b>2.610</b>	<b>34.330</b>	<b><math>\beta</math>C2S (42)</b>	2.179	41.403	triclinic C3S (17)
2.607	34.371	M1 C3S (70)	2.179	41.403	M1 C3S (40)
2.605	34.398	M1 C3S (80)	2.171	41.563	triclinic C3S (11)
2.603	34.425	mono C3S (100)	2.169	41.603	M1 C3S (10)
2.590	34.604	$\gamma$ C2S (14)	2.166	41.663	M1 C3S (10)
2.576	34.798	C4AF(17)	2.164	41.704	$\beta$ C2S (13)
2.517	35.640	arcanite (13)	2.164	41.704	mono C3S (15)
2.514	35.684	$\gamma$ C2S (25)	2.163	41.724	triclinic C3S (11)
2.499	35.906	arcanite (15)	2.162	41.744	M1 C3S (10)
2.495	35.968	calcite (15)	2.136	42.276	bassanite (20)
2.494	35.980	gypsum (11)	2.109	42.844	langbeinite (18)
2.458	36.526	triclinic C3S (12)	<b>2.105</b>	<b>42.930</b>	<b>periclase (100)</b>
2.458	36.526	aphthitalite (10)	2.094	43.157	calcite (15)
2.455	36.572	$\gamma$ C2S (17)	2.093	43.188	langbeinite (20)
2.448	36.680	$\beta$ C2S (12)	2.088	43.297	arcanite (25)
2.442	36.774	aphthitalite (16)	2.085	43.362	gypsum (25)
2.430	36.962	periclase (10)	2.082	43.428	arcanite (25)
2.422	37.088	arcanite (25)	2.073	43.626	gypsum (15)
2.409	37.296	$\beta$ C2S (13)	2.051	44.118	C4AF(35)
<b>2.405</b>	<b>37.360</b>	<b>free lime (100)</b>	2.050	44.141	$\beta$ C2S (14)
2.402	37.408	$\beta$ C2S (18)	2.041	44.346	aphthitalite (45)
2.385	37.685	arcanite (13)	2.036	44.461	langbeinite (14)
2.374	37.866	arcanite (17)	2.026	44.692	$\beta$ C2S (15)
2.360	38.100	$\alpha'$ C2S (30)	2.024	44.738	$\gamma$ C2S (13)
2.339	38.455	triclinic C3S (15)	2.020	44.832	$\alpha'$ C2S (30)
2.329	38.627	triclinic C3S (20)	2.019	44.855	$\beta$ C2S (15)
2.329	38.627	thenardite (25)	2.017	44.902	langbeinite (20)
2.329	38.627	aphthitalite (14)	2.009	45.091	langbeinite (14)
2.328	38.644	anhydrite (20)	1.994	45.449	triclinic C3S (10)
2.325	38.696	$\gamma$ C2S (10)	1.982	45.740	M1 C3S (10)
2.323	38.725	M1 C3S (10)	1.981	45.764	$\beta$ C2S (20)
2.319	38.800	M1 C3S (20)	1.973	45.960	mono C3S (10)
2.315	38.870	triclinic C3S (25)	1.940	46.788	$\alpha$ c2s (60)
2.315	38.870	mono C3S (20)	1.937	46.865	M1 C3S (10)
2.285	39.408	calcite (20)	1.933	46.968	M1 C3S (10)
2.280	39.491	$\beta$ C2S (22)	1.930	47.045	$\alpha'$ C2S (30)
2.280	39.491	triclinic C3S (11)	1.930	47.045	mono C3S (13)
2.270	39.672	$\alpha'$ C2S (10)	1.928	47.097	C4AF(35)

d-Spacing	Two-Theta	Phase
1.927	47.113	calcite (7)
1.919	47.331	C3Ao (35)
1.912	47.505	calcite (20)
1.908	47.621	bassanite (10)
1.908	47.629	C3Ac (30)
1.900	47.834	$\alpha'$ C2S (30)
1.899	47.860	gypsum (16)
1.893	48.022	$\beta$ C2S (24)
1.891	48.076	C3Ao (19)
1.889	48.130	arcanite (12)
1.882	48.320	$\gamma$ C2S (15)
1.879	48.402	gypsum (12)
<b>1.875</b>	<b>48.503</b>	<b>calcite (23)</b>
1.869	48.678	anhydrite (16)
1.865	48.789	thenardite (36)
1.847	49.296	bassanite (30)
1.814	50.255	C4AF(45)
1.813	50.284	$\gamma$ C2S (11)
1.811	50.344	gypsum (13)
1.802	50.613	$\gamma$ C2S (12)
1.778	51.345	gypsum (12)
<b>1.764</b>	<b>51.783</b>	<b>mono C3S (55)</b>
<b>1.757</b>	<b>52.004</b>	<b>mono C3S (30)</b>
1.756	52.036	$\gamma$ C2S (12)
1.754	52.100	$\gamma$ C2S (14)
1.749	52.260	anhydrite (11)
1.748	52.292	anhydrite (10)
1.732	52.813	bassanite (10)
1.701	53.852	free lime (54)
1.693	54.127	bassanite (20)
1.689	54.266	$\gamma$ C2S (35)
1.680	54.581	thenardite (13)
1.665	55.114	bassanite (10)
1.656	55.439	aphthitalite (12)
1.648	55.732	anhydrite (15)
1.637	56.139	aphthitalite (10)
1.635	56.214	$\gamma$ C2S (20)
1.626	56.561	calcite (4)
1.604	57.397	calcite (12)
1.587	58.078	calcite (1)
1.580	58.355	$\alpha'$ C2S (30)
1.580	58.355	$\alpha$ C2S (40)
1.578	58.436	C4AF (14)
1.563	59.052	C3Ao (35)
1.560	59.177	$\alpha$ C2S (20)
1.558	59.261	C3Ac (24)
1.552	59.513	thenardite (10)
1.551	59.555	C3Ao (20)
1.538	60.110	C4AF (14)
1.527	60.588	$\gamma$ C2S (12)
1.525	60.666	calcite (7)
1.518	60.996	calcite (3)

d-Spacing	Two-Theta	Phase
1.509	61.372	calcite (4)
1.488	62.351	periclase (52)
1.473	63.050	calcite (3)
1.440	64.658	calcite (8)
1.422	65.610	calcite (5)
1.421	65.649	arcanite (10)
1.418	65.806	aphthitalite (10)
1.412	66.121	arcanite (12)
1.388	67.415	free lime (16)
1.346	69.818	C3Ao (12)
1.321	71.338	C4AF (12)
1.216	78.611	periclase (12)
1.155	83.658	bassanite (10)
1.078	91.212	bassanite (10)
1.075	91.539	free lime (16)
0.982	103.330	free lime (12)
0.941	109.885	periclase (17)
0.859	127.460	periclase (15)
0.813	142.687	free lime (10)
0.801	148.161	free lime (16)