

La2Si2O7

Lanthanum Silicate

				d(A)	Int	h	k	l	d(A)	Int	h	k	l
				7.317	90	1	1	0	2.7260	31	3	2	1
				6.598	27	2	0	0	2.6780	9	2	3	0
				5.275	10	2	1	0	2.6370	30	4	2	0
				5.061	1	1	0	1	2.5860	1	0	1	2
				4.605	1	0	1	1	2.5510	1	1	1	2
Rad.:	λ :	Filter:	d-sp:	4.397	18	0	2	0	2.5260	29	5	1	0
Cut off:	Int.:	I/Icor.:		4.388	10	1	1	1	2.5190	4	1	1	2
Ref: Tas. A., Middle East Technical Univ., Ankara, Turkey, Private Communication. (1996)				4.172	1	1	2	0	2.4388	9	3	3	0
				3.934	1	3	1	0	2.4141	3	2	3	1
				3.830	8	2	1	1	2.4038	5	5	0	1
				3.723	7	2	1	1	2.3977	5	4	2	1
Sys.: Monoclinic				3.657	8	2	2	0	2.3784	2	2	1	2
S.G.: P2 ₁ /n (14)				3.473	88	3	0	1	2.3031	8	0	2	2
a: 13.1914(4)	b: 8.7935(3)	c: 5.4104(4)	A: 1.5001	C: 0.6153	3.413	100	0	2	1	2.2799	1	1	2
α :	β : 92.06	γ :	Z: 4	mp:	3.351	77	3	0	1	2.2589	1	5	1
Ref: Ibid.				3.320	60	1	2	1	2.2384	1	3	3	1
				3.295	48	4	0	0	2.1989	31	0	4	0
				3.229	17	3	1	1	2.1970	28	6	0	0
Dx: 4.723				3.1330	16	3	1	1	2.1949	13	2	2	2
Dm: 4.690				3.1080	50	3	2	0	2.1904	4	4	3	0
SS/FOM: F ₃₀ - 83(.0086, 42)				3.0850	5	4	1	0	2.1690	28	1	4	0
				3.0590	2	2	2	1	2.1311	14	6	1	0
PSC: mP44. To replace 47-452. Mwt: 445.98. Volume[CD]: 627.19.				2.8620	16	1	3	0	2.0860	8	2	4	0

d(A)	Int	h	k	l	d(A)	Int	h	k	l	d(A)	Int	h	k	l
2.0636	7	5	2	1	1.5662	1	8	1	1	1.2897	1	8	4	1
2.0470	34	4	3	1	1.5573	2	3	5	1	1.2854	2	7	5	0
2.0353	5	0	4	1	1.5541	5	6	4	0	1.2844	5	1	6	2
2.0147	41	3	2	2	1.5516	3	4	5	0	1.2829	5	9	3	1
2.0136	34	4	3	1	1.5430	1	8	2	0	1.2810	4	5	6	0
2.0084	23	1	4	1	1.5332	5	7	3	1	1.2787	3	7	4	2
1.9873	2	0	3	2	1.5289	5	4	4	2	1.2778	5	10	1	1
1.9659	8	3	4	0	1.5085	2	7	3	1	1.2726	1	8	4	1
1.9536	16	2	4	1	1.5010	2	4	4	2	1.2686	4	2	6	2
1.9383	11	2	4	1	1.4969	1	8	2	1	1.2641	4	9	3	1
1.8888	7	2	3	2	1.4937	1	6	3	2	1.2627	2	10	2	0
1.8666	21	6	2	1	1.4848	1	4	5	1	1.2604	4	2	6	2
1.8611	21	4	2	2	1.4801	1	7	2	2	1.2535	6	9	2	2
1.8417	10	7	1	0	1.4684	1	1	5	2	1.2523	6	8	3	2
1.8383	10	3	4	1	1.4656	2	0	6	0	1.2437	2	7	5	1
1.8289	25	3	3	2	1.4629	5	5	5	0	1.2392	3	10	2	1
1.8272	25	5	3	1	1.4566	4	1	6	0	1.2354	3	6	5	2
1.8146	5	5	1	2	1.4471	4	5	4	2	1.2307	4	3	6	2
1.7622	6	7	1	1	1.4448	4	9	1	0	1.2237	2	0	7	1
1.7580	5	6	3	0	1.4364	4	8	3	0	1.2193	5	1	7	1
1.7434	12	1	5	0	1.4326	5	2	5	2	1.2187	5	9	4	0
1.7428	12	4	4	1	1.4307	6	2	6	0	1.2078	1	3	7	0
1.7310	5	7	2	0	1.4302	6	7	4	0	1.2025	1	8	5	0
1.7249	11	7	1	1	1.4174	3	5	4	2	1.1987	1	8	4	2
1.7087	1	5	2	2	1.4145	1	0	6	1	1.1912	4	10	1	2
1.7055	1	0	4	2	1.4059	4	3	5	2	1.1875	2	11	1	0
1.6992	8	2	5	0	1.4050	1	1	6	1	1.1841	1	6	6	1
1.6964	4	1	4	2	1.3991	4	8	3	1	1.1813	2	3	7	1
1.6886	21	5	4	0	1.3921	7	7	4	1	1.1790	1	11	0	1
1.6821	3	4	3	2	1.3895	7	3	5	2	1.1763	2	3	7	1
1.6726	9	0	5	1	1.3857	3	2	6	1	1.1741	3	4	7	0
1.6647	13	7	2	1	1.3852	7	7	3	2	1.1722	3	7	5	2
1.6613	12	1	5	1	1.3837	6	9	1	1	1.1719	3	8	4	2
1.6602	11	2	4	2	1.3804	5	2	6	1	1.1685	2	11	1	1
1.6580	10	6	3	1	1.3730	6	6	5	0	1.1644	2	9	3	2
1.6570	8	1	5	1	1.3624	3	6	4	2	1.1596	2	10	2	2
1.6459	15	6	1	2	1.3557	5	4	5	2	1.1566	3	7	6	0
1.6422	8	2	4	2	1.3493	6	7	3	2	1.1563	2	11	2	0
1.6254	7	2	5	1	1.3428	1	3	6	1	1.1502	3	4	7	1
1.6223	6	5	4	1	1.3392	1	4	6	0					
1.6197	7	8	1	0	1.3360	2	4	5	2					
1.6146	8	6	2	2	1.3326	2	6	4	2					
1.6076	1	5	3	2	1.3237	4	6	5	1					
1.6024	2	3	4	2	1.3103	5	9	3	0					
1.5847	6	7	3	0	1.3043	6	4	6	1					
1.5690	1	3	5	1	1.2969	7	4	4	3					