PDF#34-0189: QM=Common(+); d=Diffractometer; I=(Unknown)	PDF Card

Forsterite, syn
Mg2SiO4

Radiation=CuKa1 Lambda=1.5406 Filter=
Calibration= 2T=17.367-79.388 I/Ic(RIR)=
Ref: Level-1 PDF

Orthorhombic, Pmnb(62) Z=4 mp=
CELL: 5.9817 x 10.1978 x 4.7553 <90.0 x 90.0 x 90.0> P.S=
Density(c)=3.275 Density(m)= Mwt= Vol=290.1
Ref: Ibid.

Strong Lines: 2.46/X 2.51/8 3.88/8 1.75/7 2.77/7 2.27/6 2.25/4 1.48/3

69 Lines, Wavelength to Compute Theta = 1.54056?(Cu), I%-Type = (Unknown)

#	d(?)	I(f)	(h k l)	2-Theta	Theta	1/(2d)	#	d(?)	I(f)	(h k l)	2-Theta	Theta	1/(2d)
1	5.1021	22.0	(0 2 0)	17.367	8.683	0.0980	36	1.5666	8.0	(0 1 3)	58.905	29.452	0.3192
2	4.3075	4.0	(0 1 1)	20.602	10.301	0.1161	37	1.5323	2.0	(1 0 3)	60.355	30.178	0.3263
3	3.8812	76.0	(1 2 0)	22.894	11.447	0.1288	38	1.5144	10.0	(1 1 3)	61.144	30.572	0.3302
4	3.7222	25.0	(1 0 1)	23.886	11.943	0.1343	39	1.5111	9.0	(3 1 2)	61.293	30.647	0.3309
5	3.4960	26.0	(1 1 1)	25.457	12.729	0.1430	40	1.5032	11.0	(2 4 2)	61.649	30.825	0.3326
6	3.4767	22.0	(0 2 1)	25.600	12.800	0.1438	41	1.4990	20.0	(1 5 2)	61.843	30.922	0.3336
7	3.0065	14.0	(1 2 1)	29.690	14.845	0.1663	42	1.4954	30.0	(4 0 0)	62.006	31.003	0.3343
8	2.9906	18.0	(2 0 0)	29.851	14.926	0.1672	43	1.4779	33.0	(2 6 0)	62.823	31.412	0.3383
9	2.7653	66.0	(0 3 1)	32.347	16.174	0.1808	44	1.4674	3.0	(1 2 3)	63.326	31.663	0.3407
10	2.5097	83.0	(1 3 1)	35.747	17.874	0.1992	45	1.4638	3.0	(3 2 2)	63.503	31.752	0.3416
11	2.4567	100.0	(2 1 1)	36.546	18.273	0.2035	46	1.4365	4.0	(0 3 3)	64.851	32.426	0.3481
12	2.3456	13.0	(1 4 0)	38.343	19.171	0.2132	47	1.4111	2.0	(2 6 1)	66.170	33.085	0.3543
13	2.3150	13.0	(0 1 2)	38.869	19.434	0.2160	48	1.3968	13.0	(1 3 3)	66.932	33.466	0.3580
14	2.2673	57.0	(2 2 1)	39.721	19.861	0.2205	49	1.3930	28.0	(3 3 2)	67.141	33.571	0.3589
15	2.2470	37.0	(0 4 1)	40.095	20.048	0.2225	50	1.3874	9.0	(2 1 3)	67.446	33.723	0.3604
16	2.1589	23.0	(1 1 2)	41.806	20.903	0.2316	51	1.3748	2.0	(2 5 2)	68.153	34.077	0.3637
17	2.0303	7.0	(2 3 1)	44.592	22.296	0.2463	52	1.3657	1.0	(3 5 1)	68.666	34.333	0.3661
18	1.9479	6.0	(0 3 2)	46.588	23.294	0.2567	53	1.3505	22.0	(2 2 3)	69.551	34.775	0.3702
19	1.9407	5.0	(2 4 0)	46.771	23.385	0.2576	54	1.3464	15.0	(0 4 3)	69.791	34.896	0.3713
20	1.8744	8.0	(0 5 1)	48.530	24.265	0.2668	55	1.3155	11.0	(4 3 1)	71.683	35.842	0.3801
21	1.8608	3.0	(2 0 2)	48.907	24.453	0.2687	56	1.3131	9.0	(1 4 3)	71.836	35.918	0.3808
22	1.8569	2.0	(3 2 0)	49.017	24.508	0.2693	57	1.2937	5.0	(3 6 0)	73.083	36.541	0.3865
23	1.8388	1.0	(3 0 1)	49.532	24.766	0.2719	58	1.2661	2.0	(4 0 2)	74.948	37.474	0.3949
24	1.8299	1.0	(2 1 2)	49.788	24.894	0.2732	59	1.2627	1.0	(2 7 1)	75.183	37.591	0.3960
25	1.8090	4.0	(3 1 1)	50.404	25.202	0.2764	60	1.2561	3.0	(4 1 2)	75.648	37.824	0.3981
26	1.7886	5.0	(1 5 1)	51.019	25.509	0.2795	61	1.2515	1.0	(0 5 3)	75.973	37.986	0.3995
27	1.7483	73.0	(2 2 2)	52.283	26.142	0.2860	62	1.2478	3.0	(3 6 1)	76.244	38.122	0.4007
28	1.7386	24.0	(0 4 2)	52.596	26.298	0.2876	63	1.2448	3.0	(4 4 1)	76.454	38.227	0.4017
29	1.7294	6.0	(3 2 1)	52.898	26.449	0.2891	64	1.2411	3.0	(3 0 3)	76.724	38.362	0.4029
30	1.6698	16.0	(1 4 2)	54.942	27.471	0.2994	65	1.2317	1.0	(3 1 3)	77.418	38.709	0.4059
31	1.6347	15.0	(1 6 0)	56.224	28.112	0.3059	66	1.2276	2.0	(2 4 3)	77.729	38.865	0.4073
32	1.6173	17.0	(3 3 1)	56.884	28.442	0.3092	67	1.2228	2.0	(3 5 2)	78.087	39.044	0.4089
33	1.6008	2.0	(0 6 1)	57.526	28.763	0.3123	68	1.2160	1.0	(1 7 2)	78.612	39.306	0.4112
34	1.5884	4.0	(2 5 1)	58.018	29.009	0.3148	69	1.2060	1.0	(1 8 1)	79.388	39.694	0.4146
35	1.5708	11.0	(3 4 0)	58.732	29.366	0.3183							