

PDF#41-1370: QM=Common(+); d=Diffractometer; l=(Unknown)													PDF Card	
Diopside Ca(Mg,Al)(Si,Al)2O6														
Radiation=CuKa1 Calibration= Ref: Level-1 PDF					Lambda=1.5406 2T=13.750-79.430					Filter= l/lc(RIR)=0.8				
Monoclinic, C2/c(15) CELL: 9.732 x 8.867 x 5.2787 <90.0 x 105.92 x 90.0> Density(c)=3.395 Density(m)= Mwt= Vol=438.0 Ref: Ibid.										Z=4 P.S=		mp=		
Strong Lines: 2.98/X 2.94/6 3.22/5 2.54/4 2.51/3 2.89/3 2.56/2 1.42/2														
91 Lines, Wavelength to Compute Theta = 1.54056?(Cu), l%-Type = (Unknown)														
#	d(?)	l(f)	(h k l)	2-Theta	#	d(?)	l(f)	(h k l)	2-Theta	#	d(?)	l(f)	(h k l)	2-Theta
1	6.4350	1.0	(-1 1 0)	13.750	32	1.9430	1.0	(-2 4 1)	46.711	63	1.4417	1.0	(4 2 2)	64.591
2	4.6830	3.0	(2 0 0)	18.935	33	1.8550	2.0	(3 3 1)	49.070	64	1.4226	1.0	(3 5 1)	65.566
3	4.4340	6.0	(0 2 0)	20.008	34	1.8370	2.0	(-4 2 2)	49.583	65	1.4192	20.0	(5 3 1)	65.743
4	4.4110	3.0	(-1 1 1)	20.114	35	1.8320	18.0	(2 2 2)	49.727	66	1.4093	2.0	(-2 6 0)	66.264
5	3.6660	2.0	(1 1 1)	24.258	36	1.8130	2.0	(1 3 2)	50.284	67	1.4042	12.0	(-3 5 2)	66.536
6	3.3390	6.0	(0 2 1)	26.676	37	1.7930	1.0	(2 4 1)	50.885	68	1.4006	2.0	(1 3 3)	66.729
7	3.2200	50.0	(-2 2 0)	27.681	38	1.7720	1.0	(4 2 1)	51.532	69	1.3934	2.0	(2 2 3)	67.119
8	2.9850	100.0	(-2 2 1)	29.909	39	1.7420	9.0	(-1 5 0)	52.486	70	1.3741	4.0	(-2 4 3)	68.191
9	2.9430	55.0	(-3 1 0)	30.346	40	1.7190	4.0	(-5 1 2)	53.243	71	1.3298	8.0	(2 6 1)	70.795
10	2.8910	30.0	(-3 1 1)	30.905	41	1.7150	2.0	(3 1 2)	53.377	72	1.3256	8.0	(5 1 2)	71.053
11	2.8190	2.0	(-1 3 0)	31.715	42	1.6750	2.0	(-1 5 1)	54.757	73	1.3221	3.0	(-7 1 0)	71.270
12	2.5550	20.0	(-1 3 1)	35.093	43	1.6710	10.0	(-2 4 2)	54.899	74	1.3197	2.0	(-2 0 4)	71.419
13	2.5400	40.0	(-2 0 2)	35.307	44	1.6650	1.0	(-3 1 3)	55.114	75	1.3177	1.0	(-5 3 3)	71.544
14	2.5300	16.0	(-1 1 2)	35.451	45	1.6300	6.0	(-2 2 3)	56.402	76	1.2944	1.0	(-4 4 3)	73.038
15	2.5120	30.0	(2 2 1)	35.714	46	1.6240	8.0	(-4 4 1)	56.629	77	1.2928	4.0	(-3 1 4)	73.143
16	2.3820	2.0	(1 3 1)	37.734	47	1.6200	10.0	(-5 3 1)	56.781	78	1.2775	4.0	(-2 6 2)	74.164
17	2.3390	1.0	(4 0 0)	38.455	48	1.6100	5.0	(-4 4 0)	57.166	79	1.2757	3.0	(-6 4 0)	74.286
18	2.3010	14.0	(3 1 1)	39.116	49	1.5920	2.0	(5 1 1)	57.874	80	1.2712	2.0	(-4 0 4)	74.594
19	2.2280	4.0	(-3 1 2)	40.452	50	1.5810	4.0	(-5 3 0)	58.315	81	1.2691	1.0	(0 0 4)	74.739
20	2.2230	9.0	(1 1 2)	40.547	51	1.5600	3.0	(6 0 0)	59.177	82	1.2584	4.0	(-6 4 2)	75.485
21	2.2170	5.0	(0 4 0)	40.662	52	1.5418	4.0	(-3 5 0)	59.947	83	1.2561	2.0	(4 4 2)	75.647
22	2.2040	12.0	(-2 2 2)	40.912	53	1.5291	3.0	(-6 0 2)	60.496	84	1.2466	8.0	(-5 5 2)	76.327
23	2.1460	16.0	(-3 3 0)	42.070	54	1.5236	10.0	(4 0 2)	60.738	85	1.2292	1.0	(-1 7 1)	77.607
24	2.1250	18.0	(-3 3 1)	42.506	55	1.5075	6.0	(-5 3 2)	61.456	86	1.2253	1.0	(-3 5 3)	77.901
25	2.1020	12.0	(-4 2 1)	42.994	56	1.5047	5.0	(3 3 2)	61.583	87	1.2239	2.0	(-7 3 2)	78.007
26	2.0690	1.0	(-4 2 0)	43.715	57	1.5003	2.0	(-4 2 3)	61.783	88	1.2215	2.0	(3 3 3)	78.189
27	2.0320	12.0	(0 4 1)	44.553	58	1.4911	2.0	(-4 4 2)	62.207	89	1.2182	1.0	(-7 3 0)	78.441
28	2.0180	7.0	(-4 0 2)	44.879	59	1.4779	3.0	(0 6 0)	62.825	90	1.2083	1.0	(1 7 1)	79.210
29	2.0120	7.0	(2 0 2)	45.020	60	1.4714	2.0	(-6 2 0)	63.135	91	1.2055	1.0	(-5 1 4)	79.430
30	2.0030	3.0	(-2 4 0)	45.233	61	1.4569	2.0	(4 4 1)	63.837					
31	1.9690	6.0	(-1 3 2)	46.059	62	1.4522	1.0	(-5 1 3)	64.068					