

PDF#41-1483: QM=Common(+); d=Diffractometer; l=(Unknown)													PDF Card
Augite, Al-rich Ca(Mg,Fe,Al)(Si,Al)2O6													
Radiation=CuKa1						Lambda=1.5406				Filter=			
Calibration=						2T=19.951-84.613				I/Ic(RIR)=0.56			
Ref: Level-1 PDF													
Monoclinic, C2/c(15)													
CELL: 9.7428 x 8.8942 x 5.2723 <90.0 x 106.111 x 90.0>													
Density(c)=3.23		Density(m)=		Mwt=		Vol=438.9		Z=4		mp=			
P.S=													
Ref: Ibid.													
Strong Lines: 2.99/X 3.22/7 2.94/6 2.51/5 2.56/4 2.90/3 2.13/3 2.53/3													
50 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	4.4467	7.0	(0 2 0)	19.951	9.975	0.1124	26	1.6659	5.0	(-3 1 3)	55.082	27.541	0.3001
2	3.3470	7.0	(0 2 1)	26.611	13.305	0.1494	27	1.6284	16.0	(-2 2 3)	56.462	28.231	0.3070
3	3.2223	67.0	(2 2 0)	27.661	13.830	0.1552	28	1.6229	18.0	(-5 3 1)	56.672	28.336	0.3081
4	2.9906	100.0	(-2 2 1)	29.851	14.925	0.1672	29	1.6119	12.0	(4 4 0)	57.092	28.546	0.3102
5	2.9416	63.0	(3 1 0)	30.361	15.181	0.1700	30	1.5816	5.0	(5 3 0)	58.292	29.146	0.3161
6	2.8960	33.0	(-3 1 1)	30.851	15.426	0.1727	31	1.5589	10.0	(6 0 0)	59.222	29.611	0.3207
7	2.5601	39.0	(-1 3 1)	35.021	17.511	0.1953	32	1.5445	10.0	(3 5 0)	59.832	29.916	0.3237
8	2.5314	28.0	(0 0 2)	35.431	17.716	0.1975	33	1.5317	8.0	(-6 0 2)	60.382	30.191	0.3264
9	2.5108	51.0	(2 2 1)	35.731	17.866	0.1991	34	1.5203	5.0	(4 0 2)	60.882	30.441	0.3289
10	2.2984	27.0	(3 1 1)	39.161	19.581	0.2175	35	1.5058	10.0	(-1 3 3)	61.532	30.766	0.3320
11	2.2165	8.0	(1 1 2)	40.671	20.336	0.2256	36	1.4824	5.0	(0 6 0)	62.612	31.306	0.3373
12	2.1999	8.0	(0 2 2)	40.991	20.496	0.2273	37	1.4223	21.0	(0 6 1)	65.582	32.791	0.3515
13	2.1493	23.0	(3 3 0)	42.001	21.001	0.2326	38	1.4184	4.0	(5 3 1)	65.783	32.891	0.3525
14	2.1295	30.0	(-3 3 1)	42.411	21.206	0.2348	39	1.4080	11.0	(-3 5 2)	66.332	33.166	0.3551
15	2.1068	13.0	(-4 2 1)	42.891	21.446	0.2373	40	1.4050	3.0	(1 5 2)	66.492	33.246	0.3559
16	2.0360	17.0	(0 4 1)	44.461	22.231	0.2456	41	1.3901	3.0	(2 2 3)	67.302	33.651	0.3597
17	2.0200	11.0	(-4 0 2)	44.832	22.416	0.2475	42	1.3313	10.0	(-7 1 2)	70.703	35.351	0.3756
18	2.0073	9.0	(2 4 0)	45.131	22.566	0.2491	43	1.3250	10.0	(6 2 1)	71.093	35.546	0.3774
19	1.9681	3.0	(-1 3 2)	46.082	23.041	0.2541	44	1.3195	2.0	(-5 3 3)	71.432	35.716	0.3789
20	1.8952	2.0	(-5 1 1)	47.962	23.981	0.2638	45	1.2790	11.0	(0 6 2)	74.063	37.031	0.3909
21	1.8542	4.0	(3 3 1)	49.092	24.546	0.2697	46	1.2601	4.0	(-4 6 1)	75.363	37.681	0.3968
22	1.8315	11.0	(5 1 0)	49.742	24.871	0.2730	47	1.2450	6.0	(3 5 2)	76.443	38.222	0.4016
23	1.7477	17.0	(1 5 0)	52.302	26.151	0.2861	48	1.1925	1.0	(2 6 2)	80.473	40.236	0.4193
24	1.7224	2.0	(-5 1 2)	53.132	26.566	0.2903	49	1.1840	3.0	(1 5 3)	81.173	40.587	0.4223
25	1.6715	5.0	(0 4 2)	54.882	27.441	0.2991	50	1.1444	2.0	(-1 7 2)	84.613	42.307	0.4369