

PDF#41-1481: QM=Common(+); d=Diffractometer; l=(Unknown)													PDF Card
Anorthite, Na-rich, disordered (Ca,Na)(Si,Al)4O8													
Radiation=CuKa1 Calibration= Ref: Level-1 PDF				Lambda=1.5406 2T=13.620-86.144				Filter= l/lc(RIR)=0.73					
Triclinic, P-1(2) CELL: 8.1813 x 12.874 x 7.097 <93.378 x 115.968 x 90.776> Density(c)=2.7 Density(m)= Mwt= Vol=670.2 Ref: Ibid.								Z=4 P.S=		mp=			
Strong Lines: 3.18/X 3.21/8 3.25/2 2.51/2 3.13/2 3.63/2 3.76/2 4.04/2													
66 Lines, Wavelength to Compute Theta = 1.54056?(Cu), l%-Type = (Unknown)													
#	d(?)	l(f)	(h k l)	2-Theta	Theta	1/(2d)	#	d(?)	l(f)	(h k l)	2-Theta	Theta	1/(2d)
1	6.4958	3.0	(-1 1 0)	13.620	6.810	0.0770	34	1.8486	3.0	(-4 0 3)	49.252	24.626	0.2705
2	6.4069	1.0	(0 2 0)	13.810	6.905	0.0780	35	1.8346	7.0	(1-1 3)	49.652	24.826	0.2725
3	4.6938	5.0	(0-2 1)	18.891	9.445	0.1065	36	1.8131	2.0	(2 6 0)	50.282	25.141	0.2758
4	4.0441	17.0	(-2 0 1)	21.961	10.980	0.1236	37	1.7961	7.0	(1 1 3)	50.792	25.396	0.2784
5	3.9037	8.0	(1-1 1)	22.761	11.380	0.1281	38	1.7723	10.0	(-2 0 4)	51.522	25.761	0.2821
6	3.7635	18.0	(1 1 1)	23.621	11.810	0.1329	39	1.7590	2.0	(2-4 2)	51.942	25.971	0.2843
7	3.6259	18.0	(1 3 0)	24.531	12.265	0.1379	40	1.7332	3.0	(-2-2 4)	52.772	26.386	0.2885
8	3.4740	8.0	(-1-1 2)	25.621	12.810	0.1439	41	1.7107	6.0	(-4 4 2)	53.522	26.761	0.2923
9	3.3644	10.0	(-1 1 2)	26.471	13.235	0.1486	42	1.6822	2.0	(-2 2 4)	54.502	27.251	0.2972
10	3.2453	23.0	(-2 2 0)	27.461	13.730	0.1541	43	1.6050	2.0	(0 8 0)	57.362	28.681	0.3115
11	3.2052	79.0	(-2 0 2)	27.811	13.905	0.1560	44	1.4895	4.0	(-2-8 1)	62.282	31.141	0.3357
12	3.1772	100.0	(0 0 2)	28.061	14.030	0.1574	45	1.4710	1.0	(-4 6 2)	63.152	31.576	0.3399
13	3.1270	19.0	(2 2 0)	28.521	14.260	0.1599	46	1.4547	3.0	(0 6 3)	63.942	31.971	0.3437
14	3.0324	11.0	(1-3 1)	29.431	14.715	0.1649	47	1.4156	1.0	(2 6 2)	65.932	32.966	0.3532
15	2.9511	15.0	(0-4 1)	30.261	15.130	0.1694	48	1.3746	3.0	(1-9 1)	68.162	34.081	0.3637
16	2.9331	10.0	(0-2 2)	30.451	15.226	0.1705	49	1.3611	1.0	(-6 0 2)	68.932	34.466	0.3673
17	2.8324	10.0	(1 3 1)	31.561	15.781	0.1765	50	1.3518	5.0	(-1-9 2)	69.473	34.736	0.3699
18	2.7860	1.0	(0 4 1)	32.101	16.051	0.1795	51	1.3382	1.0	(-5 5 3)	70.283	35.141	0.3736
19	2.6519	7.0	(-1 3 2)	33.771	16.886	0.1885	52	1.3206	2.0	(-2-4 5)	71.363	35.681	0.3786
20	2.5135	19.0	(-2 4 1)	35.691	17.846	0.1989	53	1.2971	2.0	(5 1 1)	72.863	36.432	0.3855
21	2.4130	1.0	(-1-5 1)	37.231	18.616	0.2072	54	1.2687	2.0	(-5-5 4)	74.763	37.381	0.3941
22	2.2789	3.0	(-3-3 1)	39.511	19.756	0.2194	55	1.2653	1.0	(0-2 5)	75.003	37.501	0.3952
23	2.2657	2.0	(-1 1 3)	39.751	19.876	0.2207	56	1.2596	1.0	(-4 6 4)	75.403	37.701	0.3970
24	2.2323	2.0	(-2-2 3)	40.371	20.186	0.2240	57	1.2542	1.0	(-3-9 1)	75.783	37.891	0.3987
25	2.1857	1.0	(-3 3 2)	41.271	20.636	0.2288	58	1.2195	2.0	(4 4 2)	78.343	39.172	0.4100
26	2.1391	10.0	(0 6 0)	42.211	21.106	0.2337	59	1.2129	1.0	(-2-6 5)	78.853	39.427	0.4122
27	2.0979	7.0	(1 5 1)	43.081	21.541	0.2383	60	1.2100	1.0	(3 9 0)	79.073	39.536	0.4132
28	2.0910	1.0	(-3 1 3)	43.232	21.616	0.2391	61	1.1684	2.0	(1-9 3)	82.484	41.242	0.4279
29	2.0213	3.0	(-4 0 2)	44.802	22.401	0.2474	62	1.1664	2.0	(-4 0 6)	82.663	41.331	0.4287
30	2.0170	1.0	(-4 0 1)	44.902	22.451	0.2479	63	1.1623	2.0	(2-8 3)	83.014	41.507	0.4302
31	1.9869	2.0	(0 6 1)	45.622	22.811	0.2517	64	1.1535	2.0	(-4-8 4)	83.793	41.897	0.4335
32	1.9290	3.0	(-4 2 2)	47.072	23.536	0.2592	65	1.1437	1.0	(5 1 2)	84.673	42.337	0.4372
33	1.8801	3.0	(2 2 2)	48.372	24.186	0.2659	66	1.1279	1.0	(-6-4 0)	86.144	43.072	0.4433