

						d(A)	Int	h	k	l					
Al18B4O33						d(A)	Int	h	k	l	d(A)	Int	h	k	l
Aluminum Borate						7.5044	2	2	0	0	1.5980	4	1	2	3
						5.3696	100	2	1	0	1.5668	4	4	1	3
						4.3680	23	0	1	1	1.5563	2	0	4	2
						3.8424	6	0	2	0	1.5322	1	8	0	2
Rad.: CuK $\alpha$ 1 $\lambda$ : 1.5406 Filter: Graph Mono d-sp: Diff.						3.7522	8	4	0	0	1.5134	12	8	3	0
Cut off: 8.8 Int.: Diffract. I/Inc.:						3.4206	10	2	2	0	1.4763	2	0	5	1
Ref: Erkin Gonenli, I., Cuneyt Tas, A., Powder Diffraction, 15, 104 (2000)						3.3716	33	4	1	0	1.4646	2	6	4	1
						2.8464	4	4	1	1	1.4491	4	1	3	3
Sys.: Orthorhombic S.G.: Pnma (62)						2.6847	33	4	2	0	1.4170	5	5	2	3
a: 15.0077 b: 7.6850 c: 5.3088 A: 1.9529 C: 0.6908						2.5026	12	2	0	2	1.3979	2	10	2	0
$\alpha$ : $\beta$ : $\gamma$ : $\delta$ : $\epsilon$ : $\zeta$ : mp:						2.4245	3	2	3	0	1.3650	1	7	0	3
Ref: Ibid.						2.3071	3	0	3	1	1.3573	2	4	3	3
						2.2800	7	1	3	1	1.3424	2	8	4	0
Dx: Dm: SS/FOM: F <sub>30</sub> = 90(.0035 . 95)						2.1838	14	0	2	2	1.3273	6	0	0	4
						2.1669	4	4	0	2	1.3064	4	10	0	2
Color: White						2.1157	16	4	3	0	1.2948	1	10	3	0
Peak height intensity. A solution of Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> · 18H <sub>2</sub> O, H <sub>3</sub> B <sub>3</sub> O <sub>3</sub> and K <sub>2</sub> SO <sub>4</sub> (B/Al=2/8, K <sub>2</sub> SO <sub>4</sub> /(B+Al)=1) in H <sub>2</sub> O was heated at 95 C to dryness. The residue was heated at 1150 C for 3 hours, cooled and washed with HCl solution. C.D. Cell: a=7.685, b=15.008, c=5.309, a/b=0.5121, c/b=0.3537, S.G.=Pnmb(62). Silicon used as an external stand. PSC: oP?. Mwt: 1056.89. Volume[CD]: 612.29.						2.0951	3	3	3	1	1.2808	1	0	6	0
						2.0017	1	3	2	2	1.2713	1	6	5	1
						1.9489	3	6	2	1	1.2626	1	2	6	0
						1.9212	2	0	4	0	1.2536	5	4	5	2
						1.8761	3	8	0	0	1.2349	2	4	1	4
						1.8614	3	2	4	0	1.2297	1	4	4	3
						1.8224	7	8	1	0	1.2284	1	2	6	1
						1.7896	2	6	3	0	1.2252	1	9	4	1
						1.7716	3	6	1	2	1.2159	1	7	5	1
						1.7244	1	0	1	3	1.1890	1	8	5	0
						1.7104	4	4	4	0	1.1750	2	1	3	4
						1.6858	9	8	2	0	1.1535	1	0	6	2

d(A)	Int	h	k	l
1.1402	1	2	6	2
1.1147	1	6	6	1
1.0920	2	0	4	4

