

JOHNSEN, O., GRICE, J. D. & GAULT, R. A. (1999): Oneillite: A new Ca-deficient and REE-rich member of the eudialyte group from Mont Saint-Hilaire, Quebec, Canada. Canadian Mineralogist ms #2514

Observed and calculated structure factors for Oneillite

	h	k	l	10Fo	10Fc	10s	h	k	l	10Fo	10Fc	10s	h	k	l	10Fo	10Fc	10s	h	k	l	10Fo	10Fc	10s					
0	0	-42	3360	3293	36	4	6	-35	617	654	95	-4	3	-31	976	922	48	4	9	-29	910	976	66	0	5	-26	1336	1366	35
1	1	-42	1680	1595	45	-10	7	-35	705	739	82	2	3	-31	667	636	67	-13	10	-29	1240	1289	51	3	5	-26	1746	1795	34
-1	1	-41	687	655	84	-7	7	-35	694	772	82	-6	4	-31	1791	1742	35	-10	10	-29	637	632	83	-11	6	-26	1767	1756	36
-3	2	-41	302	364	301	2	7	-35	0	425	1	0	4	-31	1046	1018	45	2	10	-29	1246	1210	50	-8	6	-26	1546	1545	35
0	2	-41	1234	1265	53	-9	8	-35	948	962	63	3	4	-31	1743	1728	35	-12	11	-29	706	624	77	1	6	-26	1426	1443	37
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-13	8	24	997	1042	51	7	8	26	952	907	60	-2	2	29	1226	1290	39	0	8	31	477	353	102	-2	2	35	739	758	66
-10	8	24	1121	1094	42	-13	9	26	707	698	72	1	2	29	1253	1225	38	3	8	31	654	663	81	1	2	35	0	315	1
2	8	24	280	380	238	-10	9	26	1579	1548	38	-4	3	29	2130	2134	31	-11	9	31	649	549	76	-4	3	35	1382	1385	42
5	8	24	501	519	96	2	9	26	1548	1538	40	2	3	29	576	610	69	1	9	31	706	675	76	2	3	35	814	766	59
8	8	24	1232	1224	51	5	9	26	619	587	87	-6	4	29	1254	1178	39	4	9	31	516	329	107	-6	4	35	531	535	99
-15	9	24	955	854	57	-15	10	26	955	1030	62	0	4	29	380	557	119	-10	10	31	834	833	64	0	4	35	1569	1549	39
-12	9	24	707	821	64	-12	10	26	1592	1653	40	3	4	29	169	360	169	2	10	31	1370	1296	47	3	4	35	1759	1683	39
-9	9	24	903	875	48	0	10	26	657	664	70	-8	5	29	1043	974	45	-12	11	31	660	553	81	-8	5	35	1095	1078	54
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3	9	24	1219	1160	43	-14	11	26	613	693	89	1	5	29	762	864	58	0	1	32	458	422	94	1	5	35	791	758	67
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-14	10	24	810	674	61	1	11	26	512	452	101	-10	6	29	990	982	51	1	2	32	2126	2121	33	-10	6	35	605	642	93
-11	10	24	1293	1374	42	4	11	26	724	631	76	-7	7	29	1161	1211	43	-4	3	32	983	952	48	-7	6	35	681	733	78
1	10	24	859	874	55	-13	12	26	392	488	151	2	6	29	1586	1517	37	2	3	32	657	693	70	2	6	35	1323	1290	47
4	10	24	1028	1060	54	2	12	26	629	534	88	5	6	29	639	645	79	-6	4	32	1609	1641	37	5	6	35	412	432	147
-16	11	24	567	527	95	0	13	26	1732	1792	43	-12	7	29	822	898	66	0	4	32	1975	1936	33	-9	7	35	414	325	91
-13	11	24	1077	1069	52	0	0	27	2250	2213	29	-9	7	29	869	742	37	3	4	32	724	713	64	0	7	35	754	724	71
2	11	24	934	935	59	1	1	27	701	694	55	0	7	29	2250	2335	32	-8	5	32	889	880	56	3	7	35	651	766	88
5	11	24	665	520	82	2	2	27	587	656	64	3	7	29	1213	1183	45	-5	5	32	671	625	66	-8	8	35	514	547	104
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3	12	24	751	630	71	-5	4	27	1434	1411	34	-8	8	29	752	767	60	-7	6	32	2058	1971	34	1	1	36	135	333	135
-14	13	24	707	712	76	1	4	27	795	840	51	1	8	29	980	966	50	2	6	32	848	864	58	2	2	36	1643	1665	40
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-3	2	25	467	409	79	2	5	27	1350	1327	37	-10	9	29	1066	945	48	-9	7	32	751	686	62	3	3	36	1694	1669	41
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-11	6	25	1398	1428	39	7	7	27	760	813	72	2	2	30	1653	1688	34	0	10	32	2072	2169	40	-8	7	36	157	325	157	
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-10	7	25	648	642	45	-15	9	27	603	460	88	1	4	30	591	477	72	-3	3	33	1828	1812	35	-3	2	37	425	274	123	
-7	7	25	1162	1187	39	-12	9	27	1805	1783	38	4	4	30	1853	1886	35	0	3	33	1829	1776	35	0	2	37	1756	1685	39	
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-12	8	25	857	760	54	6	9	27	684	621	83	-9	6	30	549	547	83	4	4	33	875	817	59	-4	4	37	631	620	87	
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-14	9	25	662	683	80	-13	11	27	551	528	97	-11	7	30	1422	1479	43	-6	6	33	597	580	79	3	5	37	991	999	61	
-11	9	25	684	668	67	2	11	27	562	538	97	-8	7	30	508	519	89	0	6	33	1542	1546	39	-8	6	37	911	905	64	
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-4	3	38	317	316	253	2	6	38	1138	1166	57	1	4	39	858	773	66	1	3	40	1010	1017	60	0	4	41	787	743	76	
2	3	38	1498	1559	46	0	7	38	835	833	71	-7	5	39	607	643	95	-4	4	40	2654	2593	37	0	0	42	3463	3331	36	
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0	4	38	3088	3157	35	1	1	39	685	551	78	-6	6	39	1905	1857	41	-6	5	40	743	732	79	0	5	40	1614	1614	45	
3	4	38	1286	1221	50	2	2	39	1557	1428	44	0	6	39	1696	1714	44	0	5	40	1222	1295	56	0	5	40	1222	1295	56	

JOHNSEN, O., GRICE, J. D. & GAULT, R. A. (1999): Oneillite: A new Ca-deficient and REE-rich member of the eudialyte group from Mont Saint-Hilaire, Quebec, Canada.
Canadian Mineralogist ms #2514

Bond lengths [Å] and angles [deg] for Oneillite.

M(1AA)-O(2)#1	2.125(8)	M(3)-O(19)#10	1.901(7)
M(1AA)-O(5)#2	2.173(9)	M(3)-O(19)#11	1.901(7)
M(1AA)-O(11)#1	2.225(11)	M(3)-O(9)#11	2.054(7)
M(1AA)-O(17)#3	2.236(11)	M(3)-O(9)#10	2.054(7)
M(1AA)-O(14)#4	2.254(10)	M(3)-O(9)#9	2.054(7)
M(1AA)-O(8)#2	2.347(11)	M(3)-NA4A#11	3.5568(14)
M(1AA)-Na(3A)#1	3.267(7)	M(3)-Na(4B)#11	3.5568(14)
M(1AA)-Na(3B)#1	3.267(7)	M(3)-NA4A#9	3.5569(14)
M(1AA)-Na(4B)#2	3.351(3)	M(3)-Na(4B)#9	3.5569(14)
M(1AA)-NA4A#2	3.351(3)	M(3)-NA4A#10	3.5569(14)
M(1AA)-M(1BB)	3.638(2)	M(3B)-O(9)#11	1.554(11)
M(1AA)-M(1BA)	3.638(2)	M(3B)-O(9)#9	1.554(11)
M(1BA)-O(2)#1	2.364(8)	M(3B)-O(9)#10	1.554(11)
M(1BA)-O(5)	2.391(9)	M(3B)-Na(5)#10	2.52(5)
M(1BA)-O(17B)#5	2.424(12)	M(3B)-Na(5)#9	2.52(5)
M(1BA)-O(14B)#5	2.432(10)	M(3B)-Na(5)#11	2.52(5)
M(1BA)-O(11)#1	2.454(11)	Si(7)-Si(7A)	1.43(2)
M(1BA)-O(8)	2.520(12)	Si(7)-O(20)	1.580(12)
M(1BA)-O(4)#1	3.073(8)	Si(7)-O(12)#12	1.629(7)
M(1BA)-Si(2)	3.322(4)	Si(7)-O(12)#1	1.629(7)
M(1BA)-Si(1)#1	3.345(4)	Si(7)-O(12)#13	1.629(7)
M(1BA)-Na(3B)#1	3.450(7)	Si(7)-Na(5)#14	3.436(6)
M(1BA)-Na(3A)#1	3.450(7)	Si(7)-Na(5)#15	3.436(6)
M(1BA)-M(2,4)#5	3.49(3)	Si(7)-Na(5)#16	3.436(6)
M(1BB)-O(2)#1	2.364(8)	Si(7A)-X(2D)	1.52(7)
M(1BB)-O(5)	2.391(9)	Si(7A)-O(12)#12	1.678(13)
M(1BB)-O(17B)#5	2.424(12)	Si(7A)-O(12)#1	1.678(13)
M(1BB)-O(14B)#5	2.432(10)	Si(7A)-O(12)#13	1.678(13)
M(1BB)-O(11)#1	2.454(11)	Si(7A)-Na(3A)#12	3.58(2)
M(1BB)-O(8)	2.520(12)	Si(7A)-Na(3B)#12	3.58(2)
M(1BB)-Si(2)	3.322(4)	Si(7A)-Na(3A)#1	3.58(2)
M(1BB)-Si(1)#1	3.345(4)	Si(7A)-Na(3B)#1	3.58(2)
M(1BB)-Na(3B)#1	3.450(7)	Si(7A)-Na(3B)#13	3.58(2)
M(1BB)-Na(3A)#1	3.450(7)	Si(7A)-Na(3A)#13	3.58(2)
M(1BB)-M(2,4)#5	3.49(3)	Na(1A)-Na(1B)	0.90(3)
M(1BB)-Na(4B)	3.536(3)	Na(1A)-X(2C)#17	2.31(5)
M(2,5)-M(2,4)	0.70(3)	Na(1A)-O(6)#18	2.36(2)
M(2,5)-O(17B)	2.109(12)	Na(1A)-O(16)#19	2.37(2)
M(2,5)-O(14)	2.127(10)	Na(1A)-O(16B)#19	2.40(2)
M(2,5)-O(19)	2.145(7)	Na(1A)-O(6)#20	2.52(2)
M(2,5)-O(14B)	2.148(11)	Na(1A)-O(18)#21	2.93(2)
M(2,5)-O(17)#6	2.164(11)	Na(1A)-O(4)	2.98(3)
M(2,5)-M(1BA)#6	3.537(3)	Na(1A)-X(2A)#17	3.18(5)
M(2,5)-M(1BB)#6	3.537(3)	Na(1A)-Si(5A)#21	3.24(2)
M(2,5)-Na(4B)#5	3.619(3)	Na(1A)-Si(2)#1	3.25(2)
M(2,5)-NA4A#5	3.619(3)	Na(1A)-Si(5)#19	3.258(14)
M(2,5)-Na(4B)#6	3.619(3)	Na(1A)-Si(2)#2	3.36(2)
M(2,5)-NA4A#6	3.619(3)	Na(1A)-Na(1A)#2	3.36(6)
M(2,4)-O(17B)	2.01(3)	Na(1B)-O(6)#18	2.46(2)
M(2,4)-O(17)#6	2.13(3)	Na(1B)-O(16)#19	2.51(2)
M(2,4)-O(14)	2.18(3)	Na(1B)-O(16B)#19	2.55(2)
M(2,4)-O(14B)	2.19(2)	Na(1B)-O(10B)#3	2.63(2)
M(2,4)-M(1BA)#6	3.49(3)	Na(1B)-O(4)	2.700(11)
M(2,4)-M(1BB)#6	3.49(3)	Na(1B)-O(18)#21	2.704(11)
M(2,4)-Na(3A)#7	3.55(3)	Na(1B)-O(6)#20	2.72(2)
M(2,4)-Na(3B)#7	3.55(3)	Na(1B)-O(10)#2	3.01(2)
M(2,4)-Na(3A)#8	3.70(3)	Na(1B)-Si(2)#1	3.145(10)
M(2,4)-Na(3B)#8	3.70(3)	Na(1B)-X(2C)#17	3.21(3)
M(2,4)-NA4A#6	4.06(3)	Na(1B)-Si(5)#19	3.224(12)
M(3)-M(3B)	1.55(7)	Na(1B)-Si(5A)#21	3.225(11)
M(3)-O(19)#9	1.901(7)	Na(1B)-Si(2)#2	3.337(13)

Na (2) -O (15) #22	2.505 (8)	Na (5) -O (10) #30	2.934 (12)
Na (2) -O (3) #2	2.557 (14)	Na (5) -Na (5) #5	3.093 (11)
Na (2) -O (1)	2.577 (8)	Na (5) -Na (5) #6	3.093 (11)
Na (2) -O (13) #1	2.63 (2)	Na (5) -Si (5) #6	3.139 (7)
Na (2) -O (13B) #23	2.65 (2)	Na (5) -O (7B) #6	3.267 (13)
Na (2) -O (7B)	2.680 (12)	Na (5) -Si (3) #5	3.284 (9)
Na (2) -O (3) #1	2.741 (14)	Na (5) -O (10B) #31	3.322 (11)
Na (2) -X (1B) #17	2.83 (2)	Na (5) -Si (5A)	3.403 (8)
Na (2) -O (7) #1	2.888 (11)	Zr -O (13B) #32	2.057 (11)
Na (2) -Si (6A) #22	3.144 (7)	Zr -O (16B) #33	2.058 (10)
Na (2) -Si (1) #2	3.147 (7)	Zr -O (3) #34	2.059 (8)
Na (2) -Si (6) #23	3.190 (8)	Zr -O (13) #34	2.066 (11)
Na (2) -Si (1) #1	3.293 (7)	Zr -O (16) #9	2.075 (10)
Na (2) -Si (3)	3.439 (7)	Zr -O (6) #34	2.105 (7)
Na (3A) -O (17B) #3	2.49 (2)	Zr -Na (1A) #32	3.47 (2)
Na (3A) -O (17) #24	2.49 (2)	Zr -Na (1A) #35	3.50 (2)
Na (3A) -X (2B) #24	2.528 (6)	Zr -Na (1B) #35	3.56 (2)
Na (3A) -O (11)	2.550 (8)	Zr -Na (1B) #32	3.58 (2)
Na (3A) -X (2A) #24	2.722 (7)	Zr -Na (2) #9	3.653 (10)
Na (3A) -X (2D) #24	2.72 (3)	Zr -Na (2) #36	3.690 (10)
Na (3A) -O (16B) #24	2.845 (13)	Si (1) -O (2)	1.579 (7)
Na (3A) -O (16) #2	2.929 (14)	Si (1) -O (1) #1	1.594 (13)
Na (3A) -O (2)	2.949 (10)	Si (1) -O (3)	1.618 (7)
Na (3A) -Si (5A) #3	3.185 (9)	Si (1) -O (1) #2	1.685 (12)
Na (3A) -Si (5) #24	3.216 (10)	Si (1) -Na (2) #1	3.147 (7)
Na (3A) -M (1AA) #2	3.267 (7)	Si (1) -Na (2) #2	3.293 (7)
Na (3A) -X (2C) #24	3.41 (2)	Si (1) -M (1BA) #2	3.345 (4)
Na (3A) -M (1BA) #2	3.450 (7)	Si (1) -M (1BB) #2	3.345 (4)
Na (3B) -O (17B) #3	2.49 (2)	Si (2) -O (5)	1.596 (8)
Na (3B) -O (17) #24	2.49 (2)	Si (2) -O (6) #28	1.601 (7)
Na (3B) -X (2B) #24	2.528 (6)	Si (2) -O (4) #1	1.622 (9)
Na (3B) -O (11)	2.550 (8)	Si (2) -O (4) #2	1.672 (9)
Na (3B) -X (2A) #24	2.722 (7)	Si (2) -Na (1B) #2	3.145 (10)
Na (3B) -X (2D) #24	2.72 (3)	Si (2) -Na (1A) #2	3.25 (2)
Na (3B) -O (16B) #24	2.845 (13)	Si (2) -Na (1B) #1	3.337 (13)
Na (3B) -O (16) #2	2.929 (14)	Si (2) -Na (1A) #1	3.36 (2)
Na (3B) -O (2)	2.949 (10)	Si (3) -O (9)	1.591 (7)
Na (3B) -Si (5A) #3	3.185 (9)	Si (3) -O (8)	1.592 (6)
Na (3B) -Si (5) #24	3.216 (10)	Si (3) -O (7B)	1.644 (10)
Na (3B) -M (1AA) #2	3.267 (7)	Si (3) -O (7) #1	1.657 (9)
Na (3B) -X (2C) #24	3.41 (2)	Si (3) -Na (5) #6	3.284 (9)
Na (3B) -M (1BA) #2	3.450 (7)	Si (3) -Na (5) #5	3.588 (10)
NA4A -O (14B) #5	2.447 (10)	Si (4) -O (11)	1.591 (7)
NA4A -O (14) #6	2.501 (11)	Si (4) -O (10) #2	1.623 (12)
NA4A -X (1C) #25	2.515 (3)	Si (4) -O (12)	1.626 (8)
NA4A -X (1B) #26	2.55 (3)	Si (4) -O (10B) #3	1.652 (9)
NA4A -O (8)	2.556 (7)	Si (4) -M (1BA) #2	3.548 (4)
NA4A -X (1B) #27	2.61 (3)	Si (4) -Na (5) #21	3.566 (7)
NA4A -O (19) #5	2.644 (12)	Si (5) -O (17)	1.599 (12)
NA4A -O (19) #6	2.654 (11)	Si (5) -O (16B)	1.601 (10)
NA4A -O (5)	2.818 (8)	Si (5) -O (7) #7	1.633 (9)
NA4A -O (13) #28	2.834 (12)	Si (5) -O (18) #5	1.662 (11)
NA4A -O (13B) #1	2.903 (13)	Si (5) -Na (5) #5	3.139 (7)
NA4A -X (1A) #25	2.968 (7)	Si (5) -Na (3A) #13	3.216 (10)
NA4A -Si (6A) #5	3.227 (4)	Si (5) -Na (3B) #13	3.216 (10)
NA4A -Si (6) #1	3.234 (4)	Si (5) -Na (1B) #37	3.224 (12)
Na (4B) -O (14B) #5	2.447 (10)	Si (5) -Na (1A) #37	3.258 (14)
Na (4B) -O (14) #6	2.501 (11)	Si (5A) -O (17B)	1.595 (13)
Na (4B) -X (1C) #25	2.515 (3)	Si (5A) -O (16) #6	1.611 (11)
Na (4B) -X (1B) #26	2.55 (3)	Si (5A) -O (18)	1.643 (11)
Na (4B) -O (8)	2.556 (7)	Si (5A) -O (7B) #6	1.647 (10)
Na (4B) -X (1B) #27	2.61 (3)	Si (5A) -Na (3B) #7	3.185 (9)
Na (4B) -O (19) #5	2.644 (12)	Si (5A) -Na (3A) #7	3.185 (9)
Na (4B) -O (19) #6	2.654 (11)	Si (5A) -Na (1B) #38	3.225 (11)
Na (4B) -O (5)	2.818 (8)	Si (5A) -Na (1A) #38	3.24 (2)
Na (4B) -O (13) #28	2.834 (12)	Si (5A) -M (1BA) #6	3.502 (5)
Na (4B) -O (13B) #1	2.903 (13)	Si (5A) -Na (2) #6	3.919 (10)
Na (4B) -X (1A) #25	2.968 (7)	Si (6) -O (13B)	1.593 (11)
Na (5) -O (20) #23	2.242 (8)	Si (6) -O (15) #4	1.611 (12)
Na (5) -O (18)	2.294 (8)	Si (6) -O (14) #4	1.616 (12)
Na (5) -M (3B) #25	2.52 (5)	Si (6) -O (10)	1.637 (11)
Na (5) -O (9) #5	2.517 (11)	Si (6) -Na (2) #16	3.190 (8)
Na (5) -O (9) #6	2.648 (12)	Si (6) -NA4A #2	3.234 (4)
Na (5) -O (7) #29	2.787 (12)	Si (6) -Na (4B) #2	3.234 (4)

Si (6) -Na (1B) #1	4.05 (2)	O (16) -Na (1B) #37	2.51 (2)
Si (6) -Na (5) #14	4.056 (9)	O (16) -Na (3A) #1	2.929 (14)
Si (6A) -O (13) #39	1.594 (11)	O (16) -Na (3B) #1	2.929 (14)
Si (6A) -O (14B)	1.609 (12)	O (16B) -Zr#46	2.058 (10)
Si (6A) -O (10B)	1.625 (9)	O (16B) -Na (1A) #37	2.40 (2)
Si (6A) -O (15)	1.652 (12)	O (16B) -Na (1B) #37	2.55 (2)
Si (6A) -Na (2) #28	3.144 (8)	O (16B) -Na (3A) #13	2.845 (13)
Si (6A) -Na (4B) #6	3.227 (4)	O (16B) -Na (3B) #13	2.845 (13)
Si (6A) -NA4A#6	3.227 (4)	O (17) -M (2,4) #5	2.13 (3)
Si (6A) -M (1BA) #6	3.545 (5)	O (17) -M (2,5) #5	2.164 (11)
Si (6A) -Na (1B) #7	3.798 (14)	O (17) -M (1AA) #7	2.236 (11)
O (1) -Si (1) #2	1.594 (13)	O (17) -Na (3B) #13	2.49 (2)
O (1) -Si (1) #1	1.685 (12)	O (17) -Na (3A) #13	2.49 (2)
O (2) -M (1AA) #2	2.124 (8)	O (17B) -M (1BB) #6	2.424 (12)
O (2) -M (1BB) #2	2.364 (8)	O (17B) -M (1BA) #6	2.424 (12)
O (2) -M (1BA) #2	2.364 (8)	O (17B) -Na (3B) #7	2.49 (2)
O (3) -Zr#40	2.059 (8)	O (17B) -Na (3A) #7	2.49 (2)
O (3) -Na (2) #1	2.557 (14)	O (18) -Si (5) #6	1.662 (11)
O (3) -Na (2) #2	2.741 (14)	O (18) -Na (1B) #38	2.704 (11)
O (4) -Si (2) #2	1.622 (9)	O (18) -Na (1A) #38	2.93 (2)
O (4) -Si (2) #1	1.672 (9)	O (19) -M (3) #25	1.901 (7)
O (4) -M (1BA) #2	3.073 (8)	O (19) -Na (4B) #6	2.644 (12)
O (5) -M (1AA) #1	2.173 (9)	O (19) -NA4A#6	2.644 (12)
O (6) -Si (2) #22	1.601 (7)	O (19) -NA4A#5	2.654 (11)
O (6) -Zr#40	2.105 (7)	O (19) -Na (4B) #5	2.654 (11)
O (6) -Na (1A) #41	2.36 (2)	O (20) -Na (5) #14	2.242 (8)
O (6) -Na (1B) #41	2.46 (2)	O (20) -Na (5) #15	2.242 (8)
O (6) -Na (1A) #42	2.52 (2)	O (20) -Na (5) #16	2.242 (8)
O (6) -Na (1B) #42	2.72 (2)	X (1A) -X (1B) #7	1.26 (2)
O (7) -Si (5) #3	1.633 (9)	X (1A) -X (1B) #3	1.26 (2)
O (7) -Si (3) #2	1.657 (9)	X (1A) -X (1B)	1.26 (2)
O (7) -Na (5) #4	2.787 (12)	X (1A) -X (1C)	1.52 (11)
O (7) -Na (2) #2	2.888 (11)	X (1A) -Na (4B) #11	2.968 (7)
O (7B) -Si (5A) #5	1.647 (10)	X (1A) -NA4A#11	2.968 (7)
O (7B) -Na (5) #5	3.267 (13)	X (1A) -Na (4B) #10	2.968 (7)
O (8) -M (1AA) #1	2.347 (11)	X (1A) -NA4A#10	2.968 (7)
O (9) -M (3B) #25	1.554 (11)	X (1A) -NA4A#9	2.968 (7)
O (9) -M (3) #25	2.054 (7)	X (1A) -Na (4B) #9	2.968 (7)
O (9) -Na (5) #6	2.517 (11)	X (1A) -Na (2) #47	3.468 (10)
O (9) -Na (5) #5	2.648 (12)	X (1A) -Na (2) #48	3.468 (10)
O (10) -Si (4) #1	1.623 (12)	X (1B) -Na (4B) #9	2.55 (3)
O (10) -Na (5) #14	2.934 (12)	X (1B) -NA4A#9	2.55 (3)
O (10) -Na (1B) #1	3.01 (2)	X (1B) -Na (4B) #10	2.61 (3)
O (10B) -Si (4) #7	1.652 (9)	X (1B) -NA4A#10	2.61 (3)
O (10B) -Na (1B) #7	2.63 (2)	X (1B) -Na (2) #47	2.83 (2)
O (10B) -Na (5) #43	3.322 (11)	X (1C) -Na (4B) #11	2.515 (3)
O (10B) -Na (1A) #7	3.46 (5)	X (1C) -NA4A#11	2.515 (3)
O (11) -M (1AA) #2	2.225 (11)	X (1C) -Na (4B) #10	2.515 (3)
O (11) -M (1BB) #2	2.454 (11)	X (1C) -NA4A#10	2.515 (3)
O (11) -M (1BA) #2	2.454 (11)	X (1C) -NA4A#9	2.515 (3)
O (12) -Si (7) #24	1.629 (7)	X (1C) -Na (4B) #9	2.515 (3)
O (12) -Si (7A) #24	1.678 (13)	X (2A) -X (2B)	1.06 (6)
O (13) -Si (6A) #44	1.594 (11)	X (2A) -X (2C)	1.28 (4)
O (13) -Zr#40	2.066 (11)	X (2A) -Na (3B) #1	2.722 (7)
O (13) -Na (2) #2	2.63 (2)	X (2A) -Na (3A) #1	2.722 (7)
O (13) -Na (4B) #22	2.834 (12)	X (2A) -Na (3B) #12	2.722 (7)
O (13) -NA4A#22	2.834 (12)	X (2A) -Na (3A) #12	2.722 (7)
O (13B) -Zr#45	2.057 (11)	X (2A) -Na (3B) #13	2.722 (7)
O (13B) -Na (2) #16	2.65 (2)	X (2A) -Na (3A) #13	2.722 (7)
O (13B) -NA4A#2	2.903 (13)	X (2A) -Na (1A) #48	3.18 (5)
O (13B) -Na (4B) #2	2.903 (13)	X (2A) -Na (1A) #37	3.18 (5)
O (14) -Si (6) #29	1.616 (12)	X (2A) -Na (1A) #47	3.18 (5)
O (14) -M (1AA) #29	2.254 (10)	X (2B) -X (2D)	0.97 (8)
O (14) -NA4A#5	2.501 (10)	X (2B) -Na (3B) #1	2.528 (6)
O (14) -Na (4B) #5	2.501 (10)	X (2B) -Na (3A) #1	2.528 (6)
O (14B) -M (1BB) #6	2.432 (10)	X (2B) -Na (3B) #12	2.528 (6)
O (14B) -M (1BA) #6	2.432 (10)	X (2B) -Na (3A) #12	2.528 (6)
O (14B) -Na (4B) #6	2.447 (10)	X (2B) -Na (3A) #13	2.528 (6)
O (14B) -NA4A#6	2.447 (10)	X (2B) -Na (3B) #13	2.528 (6)
O (15) -Si (6) #29	1.611 (12)	X (2C) -Na (1A) #48	2.31 (5)
O (15) -Na (2) #28	2.505 (8)	X (2C) -Na (1A) #37	2.31 (5)
O (16) -Si (5A) #5	1.611 (11)	X (2C) -Na (1A) #47	2.31 (5)
O (16) -Zr#26	2.075 (10)	X (2C) -Na (1B) #48	3.21 (3)
O (16) -Na (1A) #37	2.37 (2)	X (2C) -Na (1B) #37	3.21 (3)

X(2C) -Na(1B) #47	3.21(3)	Na(3A) #1-M(1AA) -M(1BA)	59.7(2)
X(2C) -Na(3B) #1	3.41(2)	Na(3B) #1-M(1AA) -M(1BA)	59.7(2)
X(2C) -Na(3A) #1	3.41(2)	Na(4B) #2-M(1AA) -M(1BA)	151.73(10)
X(2C) -Na(3B) #12	3.41(2)	NA4A#2-M(1AA) -M(1BA)	151.73(10)
X(2C) -Na(3A) #12	3.41(2)	M(1BB) -M(1AA) -M(1BA)	0.00(11)
X(2C) -Na(3A) #13	3.41(2)	O(2) #1-M(1BA) -O(5)	120.4(2)
X(2D) -Na(3B) #12	2.72(3)	O(2) #1-M(1BA) -O(17B) #5	92.2(4)
X(2D) -Na(3A) #12	2.72(3)	O(5) -M(1BA) -O(17B) #5	142.9(4)
X(2D) -Na(3B) #1	2.72(3)	O(2) #1-M(1BA) -O(14B) #5	148.9(3)
X(2D) -Na(3A) #1	2.72(3)	O(5) -M(1BA) -O(14B) #5	85.1(3)
X(2D) -Na(3B) #13	2.72(3)	O(17B) #5-M(1BA) -O(14B) #5	71.6(2)
X(2D) -Na(3A) #13	2.72(3)	O(2) #1-M(1BA) -O(11) #1	67.1(3)
		O(5) -M(1BA) -O(11) #1	120.8(3)
O(2) #1-M(1AA) -O(5) #2	106.4(3)	O(17B) #5-M(1BA) -O(11) #1	86.4(3)
O(2) #1-M(1AA) -O(11) #1	75.5(3)	O(14B) #5-M(1BA) -O(11) #1	85.2(3)
O(5) #2-M(1AA) -O(11) #1	107.9(3)	O(2) #1-M(1BA) -O(8)	122.1(3)
O(2) #1-M(1AA) -O(17) #3	94.2(4)	O(5) -M(1BA) -O(8)	65.7(3)
O(5) #2-M(1AA) -O(17) #3	153.2(4)	O(17B) #5-M(1BA) -O(8)	82.7(4)
O(11) #1-M(1AA) -O(17) #3	93.7(3)	O(14B) #5-M(1BA) -O(8)	82.9(3)
O(2) #1-M(1AA) -O(14) #4	159.1(4)	O(11) #1-M(1BA) -O(8)	165.8(2)
O(5) #2-M(1AA) -O(14) #4	89.2(4)	O(2) #1-M(1BA) -O(4) #1	83.1(3)
O(11) #1-M(1AA) -O(14) #4	86.6(4)	O(5) -M(1BA) -O(4) #1	55.6(2)
O(17) #3-M(1AA) -O(14) #4	76.0(3)	O(17B) #5-M(1BA) -O(4) #1	155.0(3)
O(2) #1-M(1AA) -O(8) #2	107.3(3)	O(14B) #5-M(1BA) -O(4) #1	100.4(3)
O(5) #2-M(1AA) -O(8) #2	72.2(3)	O(11) #1-M(1BA) -O(4) #1	69.2(2)
O(11) #1-M(1AA) -O(8) #2	177.2(3)	O(8) -M(1BA) -O(4) #1	120.5(3)
O(17) #3-M(1AA) -O(8) #2	85.5(4)	O(2) #1-M(1BA) -Si(2)	104.5(2)
O(14) #4-M(1AA) -O(8) #2	90.5(3)	O(5) -M(1BA) -Si(2)	26.6(2)
O(2) #1-M(1AA) -Na(3A) #1	62.1(3)	O(17B) #5-M(1BA) -Si(2)	162.7(3)
O(5) #2-M(1AA) -Na(3A) #1	156.8(3)	O(14B) #5-M(1BA) -Si(2)	91.5(3)
O(11) #1-M(1AA) -Na(3A) #1	51.2(2)	O(11) #1-M(1BA) -Si(2)	95.7(2)
O(17) #3-M(1AA) -Na(3A) #1	49.6(3)	O(8) -M(1BA) -Si(2)	92.1(2)
O(14) #4-M(1AA) -Na(3A) #1	98.2(3)	O(4) #1-M(1BA) -Si(2)	29.1(2)
O(8) #2-M(1AA) -Na(3A) #1	129.3(3)	O(2) #1-M(1BA) -Si(1) #1	25.4(2)
O(2) #1-M(1AA) -Na(3B) #1	62.1(3)	O(5) -M(1BA) -Si(1) #1	108.3(2)
O(5) #2-M(1AA) -Na(3B) #1	156.8(3)	O(17B) #5-M(1BA) -Si(1) #1	93.9(3)
O(11) #1-M(1AA) -Na(3B) #1	51.2(2)	O(14B) #5-M(1BA) -Si(1) #1	165.4(3)
O(17) #3-M(1AA) -Na(3B) #1	49.6(3)	O(11) #1-M(1BA) -Si(1) #1	92.5(2)
O(14) #4-M(1AA) -Na(3B) #1	98.2(3)	O(8) -M(1BA) -Si(1) #1	97.2(2)
O(8) #2-M(1AA) -Na(3B) #1	129.3(3)	O(4) #1-M(1BA) -Si(1) #1	92.2(2)
Na(3A) #1-M(1AA) -Na(3B) #1	0.0(3)	Si(2) -M(1BA) -Si(1) #1	103.11(6)
O(2) #1-M(1AA) -Na(4B) #2	152.6(2)	O(2) #1-M(1BA) -Na(3B) #1	57.4(3)
O(5) #2-M(1AA) -Na(4B) #2	56.6(2)	O(5) -M(1BA) -Na(3B) #1	168.3(2)
O(11) #1-M(1AA) -Na(4B) #2	128.0(2)	O(17B) #5-M(1BA) -Na(3B) #1	46.1(3)
O(17) #3-M(1AA) -Na(4B) #2	97.6(3)	O(14B) #5-M(1BA) -Na(3B) #1	93.9(3)
O(14) #4-M(1AA) -Na(4B) #2	48.3(3)	O(11) #1-M(1BA) -Na(3B) #1	47.6(2)
O(8) #2-M(1AA) -Na(4B) #2	49.6(2)	O(8) -M(1BA) -Na(3B) #1	125.7(3)
Na(3A) #1-M(1AA) -Na(4B) #2	141.50(13)	O(4) #1-M(1BA) -Na(3B) #1	113.4(2)
Na(3B) #1-M(1AA) -Na(4B) #2	141.50(13)	Si(2) -M(1BA) -Na(3B) #1	142.1(2)
O(2) #1-M(1AA) -NA4A#2	152.6(2)	Si(1) #1-M(1BA) -Na(3B) #1	74.18(14)
O(5) #2-M(1AA) -NA4A#2	56.6(2)	O(2) #1-M(1BA) -Na(3A) #1	57.4(3)
O(11) #1-M(1AA) -NA4A#2	128.0(2)	O(5) -M(1BA) -Na(3A) #1	168.3(2)
O(17) #3-M(1AA) -NA4A#2	97.6(3)	O(17B) #5-M(1BA) -Na(3A) #1	46.1(3)
O(14) #4-M(1AA) -NA4A#2	48.3(3)	O(14B) #5-M(1BA) -Na(3A) #1	93.9(3)
O(8) #2-M(1AA) -NA4A#2	49.6(2)	O(11) #1-M(1BA) -Na(3A) #1	47.6(2)
Na(3A) #1-M(1AA) -NA4A#2	141.50(13)	O(8) -M(1BA) -Na(3A) #1	125.7(3)
Na(3B) #1-M(1AA) -NA4A#2	141.50(13)	O(4) #1-M(1BA) -Na(3A) #1	113.4(2)
Na(4B) #2-M(1AA) -NA4A#2	0.00(7)	Si(2) -M(1BA) -Na(3A) #1	142.1(2)
O(2) #1-M(1AA) -M(1BB)	38.1(2)	Si(1) #1-M(1BA) -Na(3A) #1	74.18(14)
O(5) #2-M(1AA) -M(1BB)	98.4(2)	Na(3B) #1-M(1BA) -Na(3A) #1	0.0(4)
O(11) #1-M(1AA) -M(1BB)	41.3(3)	O(2) #1-M(1BA) -M(2,4) #5	118.3(5)
O(17) #3-M(1AA) -M(1BB)	108.4(3)	O(5) -M(1BA) -M(2,4) #5	121.1(5)
O(14) #4-M(1AA) -M(1BB)	127.3(3)	O(17B) #5-M(1BA) -M(2,4) #5	34.1(4)
O(8) #2-M(1AA) -M(1BB)	141.5(2)	O(14B) #5-M(1BA) -M(2,4) #5	38.3(4)
Na(3A) #1-M(1AA) -M(1BB)	59.7(2)	O(11) #1-M(1BA) -M(2,4) #5	78.8(6)
Na(3B) #1-M(1AA) -M(1BB)	59.7(2)	O(8) -M(1BA) -M(2,4) #5	87.1(6)
Na(4B) #2-M(1AA) -M(1BB)	151.73(10)	O(4) #1-M(1BA) -M(2,4) #5	130.2(4)
NA4A#2-M(1AA) -M(1BB)	151.73(10)	Si(2) -M(1BA) -M(2,4) #5	129.5(3)
O(2) #1-M(1AA) -M(1BA)	38.1(2)	Si(1) #1-M(1BA) -M(2,4) #5	127.1(3)
O(5) #2-M(1AA) -M(1BA)	98.4(2)	Na(3B) #1-M(1BA) -M(2,4) #5	61.5(5)
O(11) #1-M(1AA) -M(1BA)	41.3(3)	Na(3A) #1-M(1BA) -M(2,4) #5	61.5(5)
O(17) #3-M(1AA) -M(1BA)	108.4(3)	O(2) #1-M(1BB) -O(5)	120.4(2)
O(14) #4-M(1AA) -M(1BA)	127.3(3)	O(2) #1-M(1BB) -O(17B) #5	92.2(4)
O(8) #2-M(1AA) -M(1BA)	141.5(2)	O(5) -M(1BB) -O(17B) #5	142.9(4)

O(2)#1-M(1BB)-O(14B)#5	148.9(3)	O(17B)-M(2,5)-O(17)#6	93.1(3)
O(5)-M(1BB)-O(14B)#5	85.1(3)	O(14)-M(2,5)-O(17)#6	80.2(3)
O(17B)#5-M(1BB)-O(14B)#5	71.6(2)	O(19)-M(2,5)-O(17)#6	110.9(4)
O(2)#1-M(1BB)-O(11)#1	67.1(3)	O(14B)-M(2,5)-O(17)#6	161.6(3)
O(5)-M(1BB)-O(11)#1	120.8(3)	M(2,4)-M(2,5)-M(1BA)#6	80(2)
O(17B)#5-M(1BB)-O(11)#1	86.4(3)	O(17B)-M(2,5)-M(1BA)#6	42.0(3)
O(14B)#5-M(1BB)-O(11)#1	85.2(3)	O(14)-M(2,5)-M(1BA)#6	136.9(3)
O(2)#1-M(1BB)-O(8)	122.1(3)	O(19)-M(2,5)-M(1BA)#6	97.6(4)
O(5)-M(1BB)-O(8)	65.7(3)	O(14B)-M(2,5)-M(1BA)#6	42.5(3)
O(17B)#5-M(1BB)-O(8)	82.7(4)	O(17)#6-M(2,5)-M(1BA)#6	134.5(3)
O(14B)#5-M(1BB)-O(8)	82.9(3)	M(2,4)-M(2,5)-M(1BB)#6	80(2)
O(11)#1-M(1BB)-O(8)	165.8(2)	O(17B)-M(2,5)-M(1BB)#6	42.0(3)
O(2)#1-M(1BB)-Si(2)	104.5(2)	O(14)-M(2,5)-M(1BB)#6	136.9(3)
O(5)-M(1BB)-Si(2)	26.6(2)	O(19)-M(2,5)-M(1BB)#6	97.6(4)
O(17B)#5-M(1BB)-Si(2)	162.7(3)	O(14B)-M(2,5)-M(1BB)#6	42.5(3)
O(14B)#5-M(1BB)-Si(2)	91.5(3)	O(17)#6-M(2,5)-M(1BB)#6	134.5(3)
O(11)#1-M(1BB)-Si(2)	95.7(2)	M(1BA)#6-M(2,5)-M(1BB)#6	0.00(12)
O(8)-M(1BB)-Si(2)	92.1(2)	M(2,4)-M(2,5)-Na(4B)#5	128(2)
O(2)#1-M(1BB)-Si(1)#1	25.4(2)	O(17B)-M(2,5)-Na(4B)#5	160.0(3)
O(5)-M(1BB)-Si(1)#1	108.3(2)	O(14)-M(2,5)-Na(4B)#5	42.4(3)
O(17B)#5-M(1BB)-Si(1)#1	93.9(3)	O(19)-M(2,5)-Na(4B)#5	46.7(3)
O(14B)#5-M(1BB)-Si(1)#1	165.4(3)	O(14B)-M(2,5)-Na(4B)#5	97.7(3)
O(11)#1-M(1BB)-Si(1)#1	92.5(2)	O(17)#6-M(2,5)-Na(4B)#5	91.5(3)
O(8)-M(1BB)-Si(1)#1	97.2(2)	M(1BA)#6-M(2,5)-Na(4B)#5	132.85(8)
Si(2)-M(1BB)-Si(1)#1	103.11(6)	M(1BB)#6-M(2,5)-Na(4B)#5	132.85(8)
O(2)#1-M(1BB)-Na(3B)#1	57.4(3)	M(2,4)-M(2,5)-NA4A#5	128(2)
O(5)-M(1BB)-Na(3B)#1	168.3(2)	O(17B)-M(2,5)-NA4A#5	160.0(3)
O(17B)#5-M(1BB)-Na(3B)#1	46.1(3)	O(14)-M(2,5)-NA4A#5	42.4(3)
O(14B)#5-M(1BB)-Na(3B)#1	93.9(3)	O(19)-M(2,5)-NA4A#5	46.7(3)
O(11)#1-M(1BB)-Na(3B)#1	47.6(2)	O(14B)-M(2,5)-NA4A#5	97.7(3)
O(8)-M(1BB)-Na(3B)#1	125.7(3)	O(17)#6-M(2,5)-NA4A#5	91.5(3)
Si(2)-M(1BB)-Na(3B)#1	142.1(2)	M(1BA)#6-M(2,5)-NA4A#5	132.85(8)
Si(1)#1-M(1BB)-Na(3B)#1	74.18(14)	M(1BB)#6-M(2,5)-NA4A#5	132.85(8)
O(2)#1-M(1BB)-Na(3A)#1	57.4(3)	Na(4B)#5-M(2,5)-NA4A#5	0.00(6)
O(5)-M(1BB)-Na(3A)#1	168.3(2)	M(2,4)-M(2,5)-Na(4B)#6	125(2)
O(17B)#5-M(1BB)-Na(3A)#1	46.1(3)	O(17B)-M(2,5)-Na(4B)#6	95.1(3)
O(14B)#5-M(1BB)-Na(3A)#1	93.9(3)	O(14)-M(2,5)-Na(4B)#6	99.3(3)
O(11)#1-M(1BB)-Na(3A)#1	47.6(2)	O(19)-M(2,5)-Na(4B)#6	46.4(3)
O(8)-M(1BB)-Na(3A)#1	125.7(3)	O(14B)-M(2,5)-Na(4B)#6	41.0(3)
Si(2)-M(1BB)-Na(3A)#1	142.1(2)	O(17)#6-M(2,5)-Na(4B)#6	157.2(3)
Si(1)#1-M(1BB)-Na(3A)#1	74.18(14)	M(1BA)#6-M(2,5)-Na(4B)#6	59.21(6)
Na(3B)#1-M(1BB)-Na(3A)#1	0.0(4)	M(1BB)#6-M(2,5)-Na(4B)#6	59.21(6)
O(2)#1-M(1BB)-M(2,4)#5	118.3(5)	Na(4B)#5-M(2,5)-Na(4B)#6	73.96(6)
O(5)-M(1BB)-M(2,4)#5	121.1(5)	NA4A#5-M(2,5)-Na(4B)#6	73.96(6)
O(17B)#5-M(1BB)-M(2,4)#5	34.1(4)	M(2,4)-M(2,5)-NA4A#6	125(2)
O(14B)#5-M(1BB)-M(2,4)#5	38.3(4)	O(17B)-M(2,5)-NA4A#6	95.1(3)
O(11)#1-M(1BB)-M(2,4)#5	78.8(6)	O(14)-M(2,5)-NA4A#6	99.3(3)
O(8)-M(1BB)-M(2,4)#5	87.1(6)	O(19)-M(2,5)-NA4A#6	46.4(3)
Si(2)-M(1BB)-M(2,4)#5	129.5(3)	O(14B)-M(2,5)-NA4A#6	41.0(3)
Si(1)#1-M(1BB)-M(2,4)#5	127.1(3)	O(17)#6-M(2,5)-NA4A#6	157.2(3)
Na(3B)#1-M(1BB)-M(2,4)#5	61.5(5)	M(1BA)#6-M(2,5)-NA4A#6	59.21(6)
Na(3A)#1-M(1BB)-M(2,4)#5	61.5(5)	M(1BB)#6-M(2,5)-NA4A#6	59.21(6)
O(2)#1-M(1BB)-Na(4B)	167.0(2)	Na(4B)#5-M(2,5)-NA4A#6	73.96(6)
O(5)-M(1BB)-Na(4B)	52.6(2)	NA4A#5-M(2,5)-NA4A#6	73.96(6)
O(17B)#5-M(1BB)-Na(4B)	91.8(3)	Na(4B)#6-M(2,5)-NA4A#6	0.00(6)
O(14B)#5-M(1BB)-Na(4B)	43.7(2)	M(2,5)-M(2,4)-O(17B)	88(2)
O(11)#1-M(1BB)-Na(4B)	125.6(2)	M(2,5)-M(2,4)-O(17)#6	83(2)
O(8)-M(1BB)-Na(4B)	46.3(2)	O(17B)-M(2,4)-O(17)#6	97.0(8)
Si(2)-M(1BB)-Na(4B)	73.01(7)	M(2,5)-M(2,4)-O(14)	76(2)
Si(1)#1-M(1BB)-Na(4B)	141.81(10)	O(17B)-M(2,4)-O(14)	165(2)
Na(3B)#1-M(1BB)-Na(4B)	132.05(14)	O(17)#6-M(2,4)-O(14)	79.7(9)
Na(3A)#1-M(1BB)-Na(4B)	132.05(14)	M(2,5)-M(2,4)-O(14B)	78(2)
M(2,4)#5-M(1BB)-Na(4B)	70.5(4)	O(17B)-M(2,4)-O(14B)	85.1(10)
M(2,4)-M(2,5)-O(17B)	72(2)	O(17)#6-M(2,4)-O(14B)	161(2)
M(2,4)-M(2,5)-O(14)	85(2)	O(14)-M(2,4)-O(14B)	93.3(8)
O(17B)-M(2,5)-O(14)	157.5(4)	M(2,5)-M(2,4)-M(1BA)#6	88(2)
M(2,4)-M(2,5)-O(19)	168.1(14)	O(17B)-M(2,4)-M(1BA)#6	42.5(6)
O(17B)-M(2,5)-O(19)	113.9(4)	O(17)#6-M(2,4)-M(1BA)#6	139.0(8)
O(14)-M(2,5)-O(19)	88.5(4)	O(14)-M(2,4)-M(1BA)#6	136.8(9)
M(2,4)-M(2,5)-O(14B)	84(2)	O(14B)-M(2,4)-M(1BA)#6	43.7(5)
O(17B)-M(2,5)-O(14B)	83.7(3)	M(2,5)-M(2,4)-M(1BB)#6	88(2)
O(14)-M(2,5)-O(14B)	95.9(2)	O(17B)-M(2,4)-M(1BB)#6	42.5(6)
O(19)-M(2,5)-O(14B)	86.8(4)	O(17)#6-M(2,4)-M(1BB)#6	139.0(8)
M(2,4)-M(2,5)-O(17)#6	78(2)	O(14)-M(2,4)-M(1BB)#6	136.8(9)

O(14B) -M(2,4) -M(1BB) #6	43.7(5)	O(9) #9 -M(3) -NA4A#11	134.8(3)
M(1BA) #6 -M(2,4) -M(1BB) #6	0.00(12)	M(3B) -M(3) -Na(4B) #11	135.02(2)
M(2,5) -M(2,4) -Na(3A) #7	131(2)	O(19) #9 -M(3) -Na(4B) #11	46.7(4)
O(17B) -M(2,4) -Na(3A) #7	42.8(7)	O(19) #10 -M(3) -Na(4B) #11	47.0(3)
O(17) #6 -M(2,4) -Na(3A) #7	98.5(8)	O(19) #11 -M(3) -Na(4B) #11	101.7(2)
O(14) -M(2,4) -Na(3A) #7	152.4(12)	O(9) #11 -M(3) -Na(4B) #11	86.4(2)
O(14B) -M(2,4) -Na(3A) #7	95.8(9)	O(9) #10 -M(3) -Na(4B) #11	139.4(3)
M(1BA) #6 -M(2,4) -Na(3A) #7	58.7(4)	O(9) #9 -M(3) -Na(4B) #11	134.8(3)
M(1BB) #6 -M(2,4) -Na(3A) #7	58.7(4)	NA4A#11 -M(3) -Na(4B) #11	0.00(8)
M(2,5) -M(2,4) -Na(3B) #7	131(2)	M(3B) -M(3) -NA4A#9	135.02(2)
O(17B) -M(2,4) -Na(3B) #7	42.8(7)	O(19) #9 -M(3) -NA4A#9	101.7(2)
O(17) #6 -M(2,4) -Na(3B) #7	98.5(8)	O(19) #10 -M(3) -NA4A#9	46.7(4)
O(14) -M(2,4) -Na(3B) #7	152.4(12)	O(19) #11 -M(3) -NA4A#9	47.0(3)
O(14B) -M(2,4) -Na(3B) #7	95.8(9)	O(9) #11 -M(3) -NA4A#9	139.4(3)
M(1BA) #6 -M(2,4) -Na(3B) #7	58.7(4)	O(9) #10 -M(3) -NA4A#9	134.8(3)
M(1BB) #6 -M(2,4) -Na(3B) #7	58.7(4)	O(9) #9 -M(3) -NA4A#9	86.4(2)
Na(3A) #7 -M(2,4) -Na(3B) #7	0.0(4)	NA4A#11 -M(3) -NA4A#9	75.49(3)
M(2,5) -M(2,4) -Na(3A) #8	124(2)	Na(4B) #11 -M(3) -NA4A#9	75.49(3)
O(17B) -M(2,4) -Na(3A) #8	99.4(8)	M(3B) -M(3) -Na(4B) #9	135.02(2)
O(17) #6 -M(2,4) -Na(3A) #8	40.3(6)	O(19) #9 -M(3) -Na(4B) #9	101.7(2)
O(14) -M(2,4) -Na(3A) #8	87.9(8)	O(19) #10 -M(3) -Na(4B) #9	46.7(4)
O(14B) -M(2,4) -Na(3A) #8	158.1(12)	O(19) #11 -M(3) -Na(4B) #9	47.0(3)
M(1BA) #6 -M(2,4) -Na(3A) #8	132.8(8)	O(9) #11 -M(3) -Na(4B) #9	139.4(3)
M(1BB) #6 -M(2,4) -Na(3A) #8	132.8(8)	O(9) #10 -M(3) -Na(4B) #9	134.8(3)
Na(3A) #7 -M(2,4) -Na(3A) #8	74.2(5)	O(9) #9 -M(3) -Na(4B) #9	86.4(2)
Na(3B) #7 -M(2,4) -Na(3A) #8	74.2(5)	NA4A#11 -M(3) -Na(4B) #9	75.49(3)
M(2,5) -M(2,4) -Na(3B) #8	124(2)	Na(4B) #11 -M(3) -Na(4B) #9	75.49(3)
O(17B) -M(2,4) -Na(3B) #8	99.4(8)	NA4A#9 -M(3) -Na(4B) #9	0.00(7)
O(17) #6 -M(2,4) -Na(3B) #8	40.3(6)	M(3B) -M(3) -NA4A#10	135.02(2)
O(14) -M(2,4) -Na(3B) #8	87.9(8)	O(19) #9 -M(3) -NA4A#10	47.0(3)
O(14B) -M(2,4) -Na(3B) #8	158.1(12)	O(19) #10 -M(3) -NA4A#10	101.7(2)
M(1BA) #6 -M(2,4) -Na(3B) #8	132.8(8)	O(19) #11 -M(3) -NA4A#10	46.7(4)
M(1BB) #6 -M(2,4) -Na(3B) #8	132.8(8)	O(9) #11 -M(3) -NA4A#10	134.8(3)
Na(3A) #7 -M(2,4) -Na(3B) #8	74.2(5)	O(9) #10 -M(3) -NA4A#10	86.4(2)
Na(3B) #7 -M(2,4) -Na(3B) #8	74.2(5)	O(9) #9 -M(3) -NA4A#10	139.4(3)
Na(3A) #8 -M(2,4) -Na(3B) #8	0.0(3)	NA4A#11 -M(3) -NA4A#10	75.49(3)
M(2,5) -M(2,4) -NA4A#6	47(2)	Na(4B) #11 -M(3) -NA4A#10	75.49(3)
O(17B) -M(2,4) -NA4A#6	84.4(9)	NA4A#9 -M(3) -NA4A#10	75.48(3)
O(17) #6 -M(2,4) -NA4A#6	130.5(12)	Na(4B) #9 -M(3) -NA4A#10	75.48(3)
O(14) -M(2,4) -NA4A#6	86.4(8)	M(3) -M(3B) -O(9) #11	83(3)
O(14B) -M(2,4) -NA4A#6	30.7(5)	M(3) -M(3B) -O(9) #9	83(3)
M(1BA) #6 -M(2,4) -NA4A#6	55.3(4)	O(9) #11 -M(3B) -O(9) #9	118.5(11)
M(1BB) #6 -M(2,4) -NA4A#6	55.3(4)	M(3) -M(3B) -O(9) #10	83(3)
Na(3A) #7 -M(2,4) -NA4A#6	114.0(7)	O(9) #11 -M(3B) -O(9) #10	118.5(11)
Na(3B) #7 -M(2,4) -NA4A#6	114.0(7)	O(9) #9 -M(3B) -O(9) #10	118.5(11)
Na(3A) #8 -M(2,4) -NA4A#6	170.1(9)	M(3) -M(3B) -Na(5) #10	134.8(12)
Na(3B) #8 -M(2,4) -NA4A#6	170.1(9)	O(9) #11 -M(3B) -Na(5) #10	72(2)
M(3B) -M(3) -O(19) #9	123.3(2)	O(9) #9 -M(3B) -Na(5) #10	77(2)
M(3B) -M(3) -O(19) #10	123.3(2)	O(9) #10 -M(3B) -Na(5) #10	142(4)
O(19) #9 -M(3) -O(19) #10	92.7(3)	M(3) -M(3B) -Na(5) #9	134.8(12)
M(3B) -M(3) -O(19) #11	123.3(2)	O(9) #11 -M(3B) -Na(5) #9	77(2)
O(19) #9 -M(3) -O(19) #11	92.7(3)	O(9) #9 -M(3B) -Na(5) #9	142(4)
O(19) #10 -M(3) -O(19) #11	92.7(3)	O(9) #10 -M(3B) -Na(5) #9	72(2)
M(3B) -M(3) -O(9) #11	48.7(2)	Na(5) #10 -M(3B) -Na(5) #9	76(2)
O(19) #9 -M(3) -O(9) #11	90.9(4)	M(3) -M(3B) -Na(5) #11	134.8(12)
O(19) #10 -M(3) -O(9) #11	94.8(4)	O(9) #11 -M(3B) -Na(5) #11	142(4)
O(19) #11 -M(3) -O(9) #11	171.5(3)	O(9) #9 -M(3B) -Na(5) #11	72(2)
M(3B) -M(3) -O(9) #10	48.7(2)	O(9) #10 -M(3B) -Na(5) #11	77(2)
O(19) #9 -M(3) -O(9) #10	94.8(4)	Na(5) #10 -M(3B) -Na(5) #11	76(2)
O(19) #10 -M(3) -O(9) #10	171.5(3)	Na(5) #9 -M(3B) -Na(5) #11	76(2)
O(19) #11 -M(3) -O(9) #10	90.9(4)	Si(7A) -Si(7) -O(20)	180.000(8)
O(9) #11 -M(3) -O(9) #10	81.1(3)	Si(7A) -Si(7) -O(12) #12	66.1(3)
M(3B) -M(3) -O(9) #9	48.7(2)	O(20) -Si(7) -O(12) #12	113.9(3)
O(19) #9 -M(3) -O(9) #9	171.5(3)	Si(7A) -Si(7) -O(12) #1	66.1(3)
O(19) #10 -M(3) -O(9) #9	90.9(4)	O(20) -Si(7) -O(12) #1	113.9(3)
O(19) #11 -M(3) -O(9) #9	94.8(4)	O(12) #12 -Si(7) -O(12) #1	104.8(4)
O(9) #11 -M(3) -O(9) #9	81.1(3)	Si(7A) -Si(7) -O(12) #13	66.1(3)
O(9) #10 -M(3) -O(9) #9	81.1(3)	O(20) -Si(7) -O(12) #13	113.9(3)
M(3B) -M(3) -NA4A#11	135.02(2)	O(12) #12 -Si(7) -O(12) #13	104.8(4)
O(19) #9 -M(3) -NA4A#11	46.7(4)	O(12) #1 -Si(7) -O(12) #13	104.8(4)
O(19) #10 -M(3) -NA4A#11	47.0(3)	Si(7A) -Si(7) -Na(5) #14	148.69(12)
O(19) #11 -M(3) -NA4A#11	101.7(2)	O(20) -Si(7) -Na(5) #14	31.31(13)
O(9) #11 -M(3) -NA4A#11	86.4(2)	O(12) #12 -Si(7) -Na(5) #14	116.1(3)
O(9) #10 -M(3) -NA4A#11	139.4(3)	O(12) #1 -Si(7) -Na(5) #14	84.0(3)

O(12)#13-Si(7)-Na(5)#14	134.6(4)	O(6)#18-Na(1A)-O(16)#19	174(2)
Si(7A)-Si(7)-Na(5)#15	148.69(13)	Na(1B)-Na(1A)-O(16B)#19	89(2)
O(20)-Si(7)-Na(5)#15	31.31(12)	X(2C)#17-Na(1A)-O(16B)#19	90.3(14)
O(12)#12-Si(7)-Na(5)#15	84.0(3)	O(6)#18-Na(1A)-O(16B)#19	70.7(6)
O(12)#1-Si(7)-Na(5)#15	134.6(4)	O(16)#19-Na(1A)-O(16B)#19	110.9(5)
O(12)#13-Si(7)-Na(5)#15	116.1(3)	Na(1B)-Na(1A)-O(6)#20	93(2)
Na(5)#14-Si(7)-Na(5)#15	53.5(2)	X(2C)#17-Na(1A)-O(6)#20	87.5(11)
Si(7A)-Si(7)-Na(5)#16	148.69(12)	O(6)#18-Na(1A)-O(6)#20	105.7(6)
O(20)-Si(7)-Na(5)#16	31.31(12)	O(16)#19-Na(1A)-O(6)#20	72.9(6)
O(12)#12-Si(7)-Na(5)#16	134.6(4)	O(16B)#19-Na(1A)-O(6)#20	175.8(13)
O(12)#1-Si(7)-Na(5)#16	116.1(3)	Na(1B)-Na(1A)-O(18)#21	66.7(11)
O(12)#13-Si(7)-Na(5)#16	84.0(3)	X(2C)#17-Na(1A)-O(18)#21	115.4(13)
Na(5)#14-Si(7)-Na(5)#16	53.5(2)	O(6)#18-Na(1A)-O(18)#21	120.7(9)
Na(5)#15-Si(7)-Na(5)#16	53.5(2)	O(16)#19-Na(1A)-O(18)#21	57.8(5)
Si(7)-Si(7A)-X(2D)	180.00(3)	O(16B)#19-Na(1A)-O(18)#21	58.2(4)
Si(7)-Si(7A)-O(12)#12	62.6(8)	O(6)#20-Na(1A)-O(18)#21	126.0(11)
X(2D)-Si(7A)-O(12)#12	117.4(8)	Na(1B)-Na(1A)-O(4)	64(2)
Si(7)-Si(7A)-O(12)#1	62.6(8)	X(2C)#17-Na(1A)-O(4)	114.3(10)
X(2D)-Si(7A)-O(12)#1	117.4(8)	O(6)#18-Na(1A)-O(4)	58.4(5)
O(12)#12-Si(7A)-O(12)#1	100.5(10)	O(16)#19-Na(1A)-O(4)	117.0(12)
Si(7)-Si(7A)-O(12)#13	62.6(8)	O(16B)#19-Na(1A)-O(4)	122.5(10)
X(2D)-Si(7A)-O(12)#13	117.4(8)	O(6)#20-Na(1A)-O(4)	55.5(5)
O(12)#12-Si(7A)-O(12)#13	100.5(10)	O(18)#21-Na(1A)-O(4)	130(2)
O(12)#1-Si(7A)-O(12)#13	100.5(10)	Na(1B)-Na(1A)-X(2A)#17	162.3(13)
Si(7)-Si(7A)-Na(3A)#12	135.1(3)	X(2C)#17-Na(1A)-X(2A)#17	19.7(8)
X(2D)-Si(7A)-Na(3A)#12	44.9(3)	O(6)#18-Na(1A)-X(2A)#17	102.9(14)
O(12)#12-Si(7A)-Na(3A)#12	73.5(5)	O(16)#19-Na(1A)-X(2A)#17	83.6(10)
O(12)#1-Si(7A)-Na(3A)#12	139.0(6)	O(16B)#19-Na(1A)-X(2A)#17	79.5(11)
O(12)#13-Si(7A)-Na(3A)#12	120.6(5)	O(6)#20-Na(1A)-X(2A)#17	99.4(11)
Si(7)-Si(7A)-Na(3B)#12	135.1(3)	O(18)#21-Na(1A)-X(2A)#17	95.7(7)
X(2D)-Si(7A)-Na(3B)#12	44.9(3)	O(4)-Na(1A)-X(2A)#17	134.0(10)
O(12)#12-Si(7A)-Na(3B)#12	73.5(5)	Na(1B)-Na(1A)-Si(5A)#21	80.8(14)
O(12)#1-Si(7A)-Na(3B)#12	139.0(6)	X(2C)#17-Na(1A)-Si(5A)#21	102.2(11)
O(12)#13-Si(7A)-Na(3B)#12	120.6(5)	O(6)#18-Na(1A)-Si(5A)#21	151.0(9)
Na(3A)#12-Si(7A)-Na(3B)#12	0.0(5)	O(16)#19-Na(1A)-Si(5A)#21	28.2(3)
Si(7)-Si(7A)-Na(3A)#1	135.1(3)	O(16B)#19-Na(1A)-Si(5A)#21	83.5(4)
X(2D)-Si(7A)-Na(3A)#1	44.9(3)	O(6)#20-Na(1A)-Si(5A)#21	100.5(7)
O(12)#12-Si(7A)-Na(3A)#1	120.6(5)	O(18)#21-Na(1A)-Si(5A)#21	30.3(3)
O(12)#1-Si(7A)-Na(3A)#1	73.5(5)	O(4)-Na(1A)-Si(5A)#21	133.3(14)
O(12)#13-Si(7A)-Na(3A)#1	139.0(6)	X(2A)#17-Na(1A)-Si(5A)#21	84.6(7)
Na(3A)#12-Si(7A)-Na(3A)#1	75.3(4)	Na(1B)-Na(1A)-Si(2)#1	75.4(14)
Na(3B)#12-Si(7A)-Na(3A)#1	75.3(4)	X(2C)#17-Na(1A)-Si(2)#1	101.5(11)
Si(7)-Si(7A)-Na(3B)#1	135.1(3)	O(6)#18-Na(1A)-Si(2)#1	27.9(3)
X(2D)-Si(7A)-Na(3B)#1	44.9(3)	O(16)#19-Na(1A)-Si(2)#1	147.8(14)
O(12)#12-Si(7A)-Na(3B)#1	120.6(5)	O(16B)#19-Na(1A)-Si(2)#1	96.6(7)
O(12)#1-Si(7A)-Na(3B)#1	73.5(5)	O(6)#20-Na(1A)-Si(2)#1	80.4(5)
O(12)#13-Si(7A)-Na(3B)#1	139.0(6)	O(18)#21-Na(1A)-Si(2)#1	133.6(12)
Na(3A)#12-Si(7A)-Na(3B)#1	75.3(4)	O(4)-Na(1A)-Si(2)#1	30.8(3)
Na(3B)#12-Si(7A)-Na(3B)#1	75.3(4)	X(2A)#17-Na(1A)-Si(2)#1	118.9(11)
Na(3A)#1-Si(7A)-Na(3B)#1	0.0(4)	Si(5A)#21-Na(1A)-Si(2)#1	156(2)
Si(7)-Si(7A)-Na(3B)#13	135.1(3)	Na(1B)-Na(1A)-Si(5)#19	79.9(12)
X(2D)-Si(7A)-Na(3B)#13	44.9(3)	X(2C)#17-Na(1A)-Si(5)#19	100.8(12)
O(12)#12-Si(7A)-Na(3B)#13	139.0(6)	O(6)#18-Na(1A)-Si(5)#19	96.5(6)
O(12)#1-Si(7A)-Na(3B)#13	120.6(5)	O(16)#19-Na(1A)-Si(5)#19	84.1(4)
O(12)#13-Si(7A)-Na(3B)#13	73.5(5)	O(16B)#19-Na(1A)-Si(5)#19	28.0(3)
Na(3A)#12-Si(7A)-Na(3B)#13	75.3(4)	O(6)#20-Na(1A)-Si(5)#19	156.2(10)
Na(3B)#12-Si(7A)-Na(3B)#13	75.3(4)	O(18)#21-Na(1A)-Si(5)#19	30.6(2)
Na(3A)#1-Si(7A)-Na(3B)#13	75.3(4)	O(4)-Na(1A)-Si(5)#19	135.8(12)
Na(3B)#1-Si(7A)-Na(3B)#13	75.3(4)	X(2A)#17-Na(1A)-Si(5)#19	83.6(7)
Si(7)-Si(7A)-Na(3A)#13	135.1(3)	Si(5A)#21-Na(1A)-Si(5)#19	56.1(2)
X(2D)-Si(7A)-Na(3A)#13	44.9(3)	Si(2)#1-Na(1A)-Si(5)#19	119.1(7)
O(12)#12-Si(7A)-Na(3A)#13	139.0(6)	Na(1B)-Na(1A)-Si(2)#2	81(2)
O(12)#1-Si(7A)-Na(3A)#13	120.6(5)	X(2C)#17-Na(1A)-Si(2)#2	98.4(9)
O(12)#13-Si(7A)-Na(3A)#13	73.5(5)	O(6)#18-Na(1A)-Si(2)#2	80.8(5)
Na(3A)#12-Si(7A)-Na(3A)#13	75.3(4)	O(16)#19-Na(1A)-Si(2)#2	96.6(8)
Na(3B)#12-Si(7A)-Na(3A)#13	75.3(4)	O(16B)#19-Na(1A)-Si(2)#2	150.4(9)
Na(3A)#1-Si(7A)-Na(3A)#13	75.3(4)	O(6)#20-Na(1A)-Si(2)#2	27.1(3)
Na(3B)#1-Si(7A)-Na(3A)#13	75.3(4)	O(18)#21-Na(1A)-Si(2)#2	137.7(14)
Na(3B)#13-Si(7A)-Na(3A)#13	0.0(5)	O(4)-Na(1A)-Si(2)#2	28.9(2)
Na(1B)-Na(1A)-X(2C)#17	177(2)	X(2A)#17-Na(1A)-Si(2)#2	115.7(9)
Na(1B)-Na(1A)-O(6)#18	86(2)	Si(5A)#21-Na(1A)-Si(2)#2	121.6(9)
X(2C)#17-Na(1A)-O(6)#18	91.2(13)	Si(2)#1-Na(1A)-Si(2)#2	54.0(3)
Na(1B)-Na(1A)-O(16)#19	88(2)	Si(5)#19-Na(1A)-Si(2)#2	161(2)
X(2C)#17-Na(1A)-O(16)#19	95.0(13)	Na(1B)-Na(1A)-Na(1A)#2	134(2)

X(2C)#17-Na(1A)-Na(1A)#2	43.2(5)	O(6)#20-Na(1B)-Si(5)#19	143.8(6)
O(6)#18-Na(1A)-Na(1A)#2	48.3(13)	O(10)#2-Na(1B)-Si(5)#19	80.3(5)
O(16)#19-Na(1A)-Na(1A)#2	137.6(11)	Si(2)#1-Na(1B)-Si(5)#19	123.4(5)
O(16B)#19-Na(1A)-Na(1A)#2	81.2(12)	X(2C)#17-Na(1B)-Si(5)#19	84.6(6)
O(6)#20-Na(1A)-Na(1A)#2	94.7(7)	Na(1A)-Na(1B)-Si(5A)#21	83.2(12)
O(18)#21-Na(1A)-Na(1A)#2	136.1(10)	O(6)#18-Na(1B)-Si(5A)#21	145.3(5)
O(4)-Na(1A)-Na(1A)#2	84.0(7)	O(16)#19-Na(1B)-Si(5A)#21	29.4(2)
X(2A)#17-Na(1A)-Na(1A)#2	58.1(3)	O(16B)#19-Na(1B)-Si(5A)#21	81.7(3)
Si(5A)#21-Na(1A)-Na(1A)#2	141.6(8)	O(10B)#3-Na(1B)-Si(5A)#21	85.1(4)
Si(2)#1-Na(1A)-Na(1A)#2	61.0(9)	O(4)-Na(1B)-Si(5A)#21	149.0(6)
Si(5)#19-Na(1A)-Na(1A)#2	106.7(10)	O(18)#21-Na(1B)-Si(5A)#21	30.6(3)
Si(2)#2-Na(1A)-Na(1A)#2	85.9(5)	O(6)#20-Na(1B)-Si(5A)#21	96.6(5)
Na(1A)-Na(1B)-O(6)#18	73(2)	O(10)#2-Na(1B)-Si(5A)#21	104.6(5)
Na(1A)-Na(1B)-O(16)#19	71(2)	Si(2)#1-Na(1B)-Si(5A)#21	171.6(6)
O(6)#18-Na(1B)-O(16)#19	143.7(8)	X(2C)#17-Na(1B)-Si(5A)#21	85.4(6)
Na(1A)-Na(1B)-O(16B)#19	71(2)	Si(5)#19-Na(1B)-Si(5A)#21	56.56(14)
O(6)#18-Na(1B)-O(16B)#19	66.8(5)	Na(1A)-Na(1B)-Si(2)#2	84(2)
O(16)#19-Na(1B)-O(16B)#19	102.0(4)	O(6)#18-Na(1B)-Si(2)#2	79.9(3)
Na(1A)-Na(1B)-O(10B)#3	153(2)	O(16)#19-Na(1B)-Si(2)#2	94.4(6)
O(6)#18-Na(1B)-O(10B)#3	126.5(6)	O(16B)#19-Na(1B)-Si(2)#2	142.3(6)
O(16)#19-Na(1B)-O(10B)#3	87.5(5)	O(10B)#3-Na(1B)-Si(2)#2	82.5(3)
O(16B)#19-Na(1B)-O(10B)#3	131.4(7)	O(4)-Na(1B)-Si(2)#2	28.8(2)
Na(1A)-Na(1B)-O(4)	98.9(13)	O(18)#21-Na(1B)-Si(2)#2	152.5(6)
O(6)#18-Na(1B)-O(4)	61.9(3)	O(6)#20-Na(1B)-Si(2)#2	28.4(2)
O(16)#19-Na(1B)-O(4)	122.5(7)	O(10)#2-Na(1B)-Si(2)#2	110.6(4)
O(16B)#19-Na(1B)-O(4)	128.3(6)	Si(2)#1-Na(1B)-Si(2)#2	55.0(2)
O(10B)#3-Na(1B)-O(4)	79.3(4)	X(2C)#17-Na(1B)-Si(2)#2	83.2(6)
Na(1A)-Na(1B)-O(18)#21	95.5(10)	Si(5)#19-Na(1B)-Si(2)#2	167.7(6)
O(6)#18-Na(1B)-O(18)#21	126.3(6)	Si(5A)#21-Na(1B)-Si(2)#2	122.9(5)
O(16)#19-Na(1B)-O(18)#21	59.9(4)	O(15)#22-Na(2)-O(3)#2	123.5(5)
O(16B)#19-Na(1B)-O(18)#21	60.1(4)	O(15)#22-Na(2)-O(1)	162.6(4)
O(10B)#3-Na(1B)-O(18)#21	86.4(5)	O(3)#2-Na(2)-O(1)	61.1(4)
O(4)-Na(1B)-O(18)#21	165.2(7)	O(15)#22-Na(2)-O(13)#1	61.8(4)
Na(1A)-Na(1B)-O(6)#20	68(2)	O(3)#2-Na(2)-O(13)#1	151.9(4)
O(6)#18-Na(1B)-O(6)#20	97.2(5)	O(1)-Na(2)-O(13)#1	123.4(5)
O(16)#19-Na(1B)-O(6)#20	67.3(5)	O(15)#22-Na(2)-O(13B)#23	59.7(4)
O(16B)#19-Na(1B)-O(6)#20	137.8(7)	O(3)#2-Na(2)-O(13B)#23	64.3(4)
O(10B)#3-Na(1B)-O(6)#20	90.0(5)	O(1)-Na(2)-O(13B)#23	124.3(6)
O(4)-Na(1B)-O(6)#20	57.1(3)	O(13)#1-Na(2)-O(13B)#23	109.5(3)
O(18)#21-Na(1B)-O(6)#20	127.2(7)	O(15)#22-Na(2)-O(7B)	87.1(4)
Na(1A)-Na(1B)-O(10)#2	154(2)	O(3)#2-Na(2)-O(7B)	120.5(4)
O(6)#18-Na(1B)-O(10)#2	88.1(6)	O(1)-Na(2)-O(7B)	77.2(4)
O(16)#19-Na(1B)-O(10)#2	126.7(6)	O(13)#1-Na(2)-O(7B)	86.2(4)
O(16B)#19-Na(1B)-O(10)#2	86.3(6)	O(13B)#23-Na(2)-O(7B)	125.1(4)
O(10B)#3-Na(1B)-O(10)#2	52.5(4)	O(15)#22-Na(2)-O(3)#1	126.7(5)
O(4)-Na(1B)-O(10)#2	86.9(5)	O(3)#2-Na(2)-O(3)#1	105.9(4)
O(18)#21-Na(1B)-O(10)#2	81.4(5)	O(1)-Na(2)-O(3)#1	59.7(3)
O(6)#20-Na(1B)-O(10)#2	133.8(5)	O(13)#1-Na(2)-O(3)#1	65.2(4)
Na(1A)-Na(1B)-Si(2)#1	88.5(12)	O(13B)#23-Na(2)-O(3)#1	150.6(4)
O(6)#18-Na(1B)-Si(2)#1	30.2(2)	O(7B)-Na(2)-O(3)#1	84.2(4)
O(16)#19-Na(1B)-Si(2)#1	145.4(7)	O(15)#22-Na(2)-X(1B)#17	70.8(4)
O(16B)#19-Na(1B)-Si(2)#1	96.2(5)	O(3)#2-Na(2)-X(1B)#17	91.3(6)
O(10B)#3-Na(1B)-Si(2)#1	102.2(4)	O(1)-Na(2)-X(1B)#17	126.5(4)
O(4)-Na(1B)-Si(2)#1	32.1(2)	O(13)#1-Na(2)-X(1B)#17	63.3(6)
O(18)#21-Na(1B)-Si(2)#1	152.5(7)	O(13B)#23-Na(2)-X(1B)#17	63.1(6)
O(6)#20-Na(1B)-Si(2)#1	79.4(3)	O(7B)-Na(2)-X(1B)#17	148.0(6)
O(10)#2-Na(1B)-Si(2)#1	83.3(4)	O(3)#1-Na(2)-X(1B)#17	90.7(6)
Na(1A)-Na(1B)-X(2C)#17	2.4(14)	O(15)#22-Na(2)-O(7)#1	84.2(3)
O(6)#18-Na(1B)-X(2C)#17	70.7(5)	O(3)#2-Na(2)-O(7)#1	76.7(3)
O(16)#19-Na(1B)-X(2C)#17	73.0(6)	O(1)-Na(2)-O(7)#1	80.7(3)
O(16B)#19-Na(1B)-X(2C)#17	69.8(5)	O(13)#1-Na(2)-O(7)#1	130.4(4)
O(10B)#3-Na(1B)-X(2C)#17	154.8(7)	O(13B)#23-Na(2)-O(7)#1	77.4(4)
O(4)-Na(1B)-X(2C)#17	97.5(7)	O(7B)-Na(2)-O(7)#1	55.2(2)
O(18)#21-Na(1B)-X(2C)#17	97.0(7)	O(3)#1-Na(2)-O(7)#1	129.2(3)
O(6)#20-Na(1B)-X(2C)#17	68.0(6)	X(1B)#17-Na(2)-O(7)#1	140.0(6)
O(10)#2-Na(1B)-X(2C)#17	152.7(6)	O(15)#22-Na(2)-Si(6A)#22	31.5(3)
Si(2)#1-Na(1B)-X(2C)#17	86.3(6)	O(3)#2-Na(2)-Si(6A)#22	148.1(3)
Na(1A)-Na(1B)-Si(5)#19	84.1(13)	O(1)-Na(2)-Si(6A)#22	150.1(5)
O(6)#18-Na(1B)-Si(5)#19	95.3(5)	O(13)#1-Na(2)-Si(6A)#22	30.4(2)
O(16)#19-Na(1B)-Si(5)#19	82.7(3)	O(13B)#23-Na(2)-Si(6A)#22	85.6(3)
O(16B)#19-Na(1B)-Si(5)#19	29.3(2)	O(7B)-Na(2)-Si(6A)#22	84.7(3)
O(10B)#3-Na(1B)-Si(5)#19	109.1(5)	O(3)#1-Na(2)-Si(6A)#22	95.3(3)
O(4)-Na(1B)-Si(5)#19	154.3(7)	X(1B)#17-Na(2)-Si(6A)#22	64.3(4)
O(18)#21-Na(1B)-Si(5)#19	31.0(3)	O(7)#1-Na(2)-Si(6A)#22	108.1(2)

O(15)#22-Na(2)-Si(1)#2	150.5(5)	O(17B)#3-Na(3A)-O(2)	78.3(3)
O(3)#2-Na(2)-Si(1)#2	30.8(2)	O(17)#24-Na(3A)-O(2)	71.4(4)
O(1)-Na(2)-Si(1)#2	30.3(3)	X(2B)#24-Na(3A)-O(2)	174.3(9)
O(13)#1-Na(2)-Si(1)#2	146.9(4)	O(11)-Na(3A)-O(2)	57.4(2)
O(13B)#23-Na(2)-Si(1)#2	94.4(4)	X(2A)#24-Na(3A)-O(2)	159.8(4)
O(7B)-Na(2)-Si(1)#2	98.7(3)	X(2D)#24-Na(3A)-O(2)	155.5(13)
O(3)#1-Na(2)-Si(1)#2	82.7(2)	O(16B)#24-Na(3A)-O(2)	79.6(3)
X(1B)#17-Na(2)-Si(1)#2	111.9(5)	O(16)#2-Na(3A)-O(2)	82.0(3)
O(7)#1-Na(2)-Si(1)#2	75.9(3)	O(17B)#3-Na(3A)-Si(5A)#3	29.5(3)
Si(6A)#22-Na(2)-Si(1)#2	175.8(2)	O(17)#24-Na(3A)-Si(5A)#3	138.9(4)
O(15)#22-Na(2)-Si(6)#23	29.9(3)	X(2B)#24-Na(3A)-Si(5A)#3	105.9(7)
O(3)#2-Na(2)-Si(6)#23	93.8(3)	O(11)-Na(3A)-Si(5A)#3	108.0(4)
O(1)-Na(2)-Si(6)#23	151.0(5)	X(2A)#24-Na(3A)-Si(5A)#3	93.8(2)
O(13)#1-Na(2)-Si(6)#23	85.6(3)	X(2D)#24-Na(3A)-Si(5A)#3	115.1(6)
O(13B)#23-Na(2)-Si(6)#23	29.9(2)	O(16B)#24-Na(3A)-Si(5A)#3	88.0(3)
O(7B)-Na(2)-Si(6)#23	107.4(3)	O(16)#2-Na(3A)-Si(5A)#3	30.2(2)
O(3)#1-Na(2)-Si(6)#23	148.1(3)	O(2)-Na(3A)-Si(5A)#3	79.8(2)
X(1B)#17-Na(2)-Si(6)#23	63.5(4)	O(17B)#3-Na(3A)-Si(5)#24	139.1(4)
O(7)#1-Na(2)-Si(6)#23	79.2(3)	O(17)#24-Na(3A)-Si(5)#24	29.2(3)
Si(6A)#22-Na(2)-Si(6)#23	57.67(10)	X(2B)#24-Na(3A)-Si(5)#24	104.0(7)
Si(1)#2-Na(2)-Si(6)#23	123.0(3)	O(11)-Na(3A)-Si(5)#24	105.3(4)
O(15)#22-Na(2)-Si(1)#1	153.0(5)	X(2A)#24-Na(3A)-Si(5)#24	92.2(2)
O(3)#2-Na(2)-Si(1)#1	83.4(2)	X(2D)#24-Na(3A)-Si(5)#24	113.1(6)
O(1)-Na(2)-Si(1)#1	30.3(3)	O(16B)#24-Na(3A)-Si(5)#24	29.8(2)
O(13)#1-Na(2)-Si(1)#1	93.8(4)	O(16)#2-Na(3A)-Si(5)#24	87.2(3)
O(13B)#23-Na(2)-Si(1)#1	146.1(4)	O(2)-Na(3A)-Si(5)#24	73.7(2)
O(7B)-Na(2)-Si(1)#1	79.3(3)	Si(5A)#3-Na(3A)-Si(5)#24	114.9(2)
O(3)#1-Na(2)-Si(1)#1	29.3(2)	O(17B)#3-Na(3A)-M(1AA)#2	109.9(3)
X(1B)#17-Na(2)-Si(1)#1	110.2(4)	O(17)#24-Na(3A)-M(1AA)#2	43.1(3)
O(7)#1-Na(2)-Si(1)#1	106.2(2)	X(2B)#24-Na(3A)-M(1AA)#2	134.8(9)
Si(6A)#22-Na(2)-Si(1)#1	123.1(3)	O(11)-Na(3A)-M(1AA)#2	42.8(3)
Si(1)#2-Na(2)-Si(1)#1	55.66(11)	X(2A)#24-Na(3A)-M(1AA)#2	144.5(3)
Si(6)#23-Na(2)-Si(1)#1	173.1(3)	X(2D)#24-Na(3A)-M(1AA)#2	120.6(10)
O(15)#22-Na(2)-Si(3)	91.5(2)	O(16B)#24-Na(3A)-M(1AA)#2	86.6(3)
O(3)#2-Na(2)-Si(3)	95.5(3)	O(16)#2-Na(3A)-M(1AA)#2	118.2(3)
O(1)-Na(2)-Si(3)	71.1(2)	O(2)-Na(3A)-M(1AA)#2	39.6(2)
O(13)#1-Na(2)-Si(3)	112.3(4)	Si(5A)#3-Na(3A)-M(1AA)#2	119.0(2)
O(13B)#23-Na(2)-Si(3)	105.1(4)	Si(5)#24-Na(3A)-M(1AA)#2	63.1(2)
O(7B)-Na(2)-Si(3)	27.8(2)	O(17B)#3-Na(3A)-X(2C)#24	102.5(4)
O(3)#1-Na(2)-Si(3)	103.4(3)	O(17)#24-Na(3A)-X(2C)#24	100.9(3)
X(1B)#17-Na(2)-Si(3)	161.9(4)	X(2B)#24-Na(3A)-X(2C)#24	43.3(14)
O(7)#1-Na(2)-Si(3)	28.7(2)	O(11)-Na(3A)-X(2C)#24	162.5(5)
Si(6A)#22-Na(2)-Si(3)	102.6(2)	X(2A)#24-Na(3A)-X(2C)#24	20.3(5)
Si(1)#2-Na(2)-Si(3)	81.4(2)	X(2D)#24-Na(3A)-X(2C)#24	64.0(13)
Si(6)#23-Na(2)-Si(3)	99.3(2)	O(16B)#24-Na(3A)-X(2C)#24	63.8(4)
Si(1)#1-Na(2)-Si(3)	87.2(2)	O(16)#2-Na(3A)-X(2C)#24	65.4(4)
O(17B)#3-Na(3A)-O(17)#24	149.7(3)	O(2)-Na(3A)-X(2C)#24	139.8(5)
O(17B)#3-Na(3A)-X(2B)#24	106.2(4)	Si(5A)#3-Na(3A)-X(2C)#24	82.7(3)
O(17)#24-Na(3A)-X(2B)#24	104.0(4)	Si(5)#24-Na(3A)-X(2C)#24	81.6(3)
O(17B)#3-Na(3A)-O(11)	83.0(5)	M(1AA)#2-Na(3A)-X(2C)#24	143.5(3)
O(17)#24-Na(3A)-O(11)	80.4(4)	O(17B)#3-Na(3A)-M(1BA)#2	44.6(3)
X(2B)#24-Na(3A)-O(11)	119.3(14)	O(17)#24-Na(3A)-M(1BA)#2	107.8(3)
O(17B)#3-Na(3A)-X(2A)#24	105.4(4)	X(2B)#24-Na(3A)-M(1BA)#2	139.4(9)
O(17)#24-Na(3A)-X(2A)#24	103.3(4)	O(11)-Na(3A)-M(1BA)#2	45.3(3)
X(2B)#24-Na(3A)-X(2A)#24	23.0(13)	X(2A)#24-Na(3A)-M(1BA)#2	148.9(3)
O(11)-Na(3A)-X(2A)#24	142.2(4)	X(2D)#24-Na(3A)-M(1BA)#2	124.6(10)
O(17B)#3-Na(3A)-X(2D)#24	104.7(4)	O(16B)#24-Na(3A)-M(1BA)#2	116.8(3)
O(17)#24-Na(3A)-X(2D)#24	102.7(4)	O(16)#2-Na(3A)-M(1BA)#2	85.7(3)
X(2B)#24-Na(3A)-X(2D)#24	21(2)	O(2)-Na(3A)-M(1BA)#2	42.5(2)
O(11)-Na(3A)-X(2D)#24	98.5(13)	Si(5A)#3-Na(3A)-M(1BA)#2	63.6(2)
X(2A)#24-Na(3A)-X(2D)#24	43.7(13)	Si(5)#24-Na(3A)-M(1BA)#2	116.1(2)
O(17B)#3-Na(3A)-O(16B)#24	116.3(4)	M(1AA)#2-Na(3A)-M(1BA)#2	65.53(10)
O(17)#24-Na(3A)-O(16B)#24	59.0(4)	X(2C)#24-Na(3A)-M(1BA)#2	145.9(3)
X(2B)#24-Na(3A)-O(16B)#24	101.0(12)	O(17B)#3-Na(3B)-O(17)#24	149.7(3)
O(11)-Na(3A)-O(16B)#24	128.9(4)	O(17B)#3-Na(3B)-X(2B)#24	106.2(4)
X(2A)#24-Na(3A)-O(16B)#24	81.1(3)	O(17)#24-Na(3B)-X(2B)#24	104.0(4)
X(2D)#24-Na(3A)-O(16B)#24	118.5(11)	O(17B)#3-Na(3B)-O(11)	83.0(5)
O(17B)#3-Na(3A)-O(16)#2	59.7(4)	O(17)#24-Na(3B)-O(11)	80.4(4)
O(17)#24-Na(3A)-O(16)#2	115.1(4)	X(2B)#24-Na(3B)-O(11)	119.3(14)
X(2B)#24-Na(3A)-O(16)#2	103.1(12)	O(17B)#3-Na(3B)-X(2A)#24	105.4(4)
O(11)-Na(3A)-O(16)#2	130.2(4)	O(17)#24-Na(3B)-X(2A)#24	103.3(4)
X(2A)#24-Na(3A)-O(16)#2	83.0(3)	X(2B)#24-Na(3B)-X(2A)#24	23.0(13)
X(2D)#24-Na(3A)-O(16)#2	120.8(11)	O(11)-Na(3B)-X(2A)#24	142.2(4)
O(16B)#24-Na(3A)-O(16)#2	58.5(2)	O(17B)#3-Na(3B)-X(2D)#24	104.7(4)

O(17)#24-Na(3B)-X(2D)#24	102.7(4)	O(16)#2-Na(3B)-M(1BA)#2	85.7(3)
X(2B)#24-Na(3B)-X(2D)#24	21(2)	O(2)-Na(3B)-M(1BA)#2	42.5(2)
O(11)-Na(3B)-X(2D)#24	98.5(13)	Si(5A)#3-Na(3B)-M(1BA)#2	63.6(2)
X(2A)#24-Na(3B)-X(2D)#24	43.7(13)	Si(5)#24-Na(3B)-M(1BA)#2	116.1(2)
O(17B)#3-Na(3B)-O(16B)#24	116.3(4)	M(1AA)#2-Na(3B)-M(1BA)#2	65.53(10)
O(17)#24-Na(3B)-O(16B)#24	59.0(4)	X(2C)#24-Na(3B)-M(1BA)#2	145.9(3)
X(2B)#24-Na(3B)-O(16B)#24	101.0(12)	O(14B)#5-NA4A-O(14)#6	147.5(2)
O(11)-Na(3B)-O(16B)#24	128.9(4)	O(14B)#5-NA4A-X(1C)#25	106.0(3)
X(2A)#24-Na(3B)-O(16B)#24	81.1(3)	O(14)#6-NA4A-X(1C)#25	106.4(2)
X(2D)#24-Na(3B)-O(16B)#24	118.5(11)	O(14B)#5-NA4A-X(1B)#26	127.7(5)
O(17B)#3-Na(3B)-O(16)#2	59.7(4)	O(14)#6-NA4A-X(1B)#26	79.8(4)
O(17)#24-Na(3B)-O(16)#2	115.1(4)	X(1C)#25-NA4A-X(1B)#26	42(2)
X(2B)#24-Na(3B)-O(16)#2	103.1(12)	O(14B)#5-NA4A-O(8)	81.8(4)
O(11)-Na(3B)-O(16)#2	130.2(4)	O(14)#6-NA4A-O(8)	80.6(4)
X(2A)#24-Na(3B)-O(16)#2	83.0(3)	X(1C)#25-NA4A-O(8)	119(2)
X(2D)#24-Na(3B)-O(16)#2	120.8(11)	X(1B)#26-NA4A-O(8)	145.2(5)
O(16B)#24-Na(3B)-O(16)#2	58.5(2)	O(14B)#5-NA4A-X(1B)#27	78.9(4)
O(17B)#3-Na(3B)-O(2)	78.3(3)	O(14)#6-NA4A-X(1B)#27	128.9(4)
O(17)#24-Na(3B)-O(2)	71.4(4)	X(1C)#25-NA4A-X(1B)#27	42(2)
X(2B)#24-Na(3B)-O(2)	174.3(9)	X(1B)#26-NA4A-X(1B)#27	49.5(7)
O(11)-Na(3B)-O(2)	57.4(2)	O(8)-NA4A-X(1B)#27	144.7(5)
X(2A)#24-Na(3B)-O(2)	159.8(4)	O(14B)#5-NA4A-O(19)#5	70.7(3)
X(2D)#24-Na(3B)-O(2)	155.5(13)	O(14)#6-NA4A-O(19)#5	131.6(3)
O(16B)#24-Na(3B)-O(2)	79.6(3)	X(1C)#25-NA4A-O(19)#5	51(2)
O(16)#2-Na(3B)-O(2)	82.0(3)	X(1B)#26-NA4A-O(19)#5	92.7(4)
O(17B)#3-Na(3B)-Si(5A)#3	29.5(3)	O(8)-NA4A-O(19)#5	79.4(3)
O(17)#24-Na(3B)-Si(5A)#3	138.9(4)	X(1B)#27-NA4A-O(19)#5	66.5(5)
X(2B)#24-Na(3B)-Si(5A)#3	105.9(7)	O(14B)#5-NA4A-O(19)#6	131.9(3)
O(11)-Na(3B)-Si(5A)#3	108.0(4)	O(14)#6-NA4A-O(19)#6	70.6(3)
X(2A)#24-Na(3B)-Si(5A)#3	93.8(2)	X(1C)#25-NA4A-O(19)#6	51(2)
X(2D)#24-Na(3B)-Si(5A)#3	115.1(6)	X(1B)#26-NA4A-O(19)#6	67.2(5)
O(16B)#24-Na(3B)-Si(5A)#3	88.0(3)	O(8)-NA4A-O(19)#6	79.3(3)
O(16)#2-Na(3B)-Si(5A)#3	30.2(2)	X(1B)#27-NA4A-O(19)#6	92.1(4)
O(2)-Na(3B)-Si(5A)#3	79.8(2)	O(19)#5-NA4A-O(19)#6	62.6(3)
O(17B)#3-Na(3B)-Si(5)#24	139.1(4)	O(14B)#5-NA4A-O(5)	76.2(3)
O(17)#24-Na(3B)-Si(5)#24	29.2(3)	O(14)#6-NA4A-O(5)	71.3(3)
X(2B)#24-Na(3B)-Si(5)#24	104.0(7)	X(1C)#25-NA4A-O(5)	177.3(12)
O(11)-Na(3B)-Si(5)#24	105.3(4)	X(1B)#26-NA4A-O(5)	137.4(4)
X(2A)#24-Na(3B)-Si(5)#24	92.2(2)	O(8)-NA4A-O(5)	59.3(2)
X(2D)#24-Na(3B)-Si(5)#24	113.1(6)	X(1B)#27-NA4A-O(5)	140.8(4)
O(16B)#24-Na(3B)-Si(5)#24	29.8(2)	O(19)#5-NA4A-O(5)	129.9(3)
O(16)#2-Na(3B)-Si(5)#24	87.2(3)	O(19)#6-NA4A-O(5)	127.0(3)
O(2)-Na(3B)-Si(5)#24	73.7(2)	O(14B)#5-NA4A-O(13)#28	58.2(3)
Si(5A)#3-Na(3B)-Si(5)#24	114.9(2)	O(14)#6-NA4A-O(13)#28	114.6(3)
O(17B)#3-Na(3B)-M(1AA)#2	109.9(3)	X(1C)#25-NA4A-O(13)#28	105(2)
O(17)#24-Na(3B)-M(1AA)#2	43.1(3)	X(1B)#26-NA4A-O(13)#28	87.0(5)
X(2B)#24-Na(3B)-M(1AA)#2	134.8(9)	O(8)-NA4A-O(13)#28	127.5(3)
O(11)-Na(3B)-M(1AA)#2	42.8(3)	X(1B)#27-NA4A-O(13)#28	63.4(5)
X(2A)#24-Na(3B)-M(1AA)#2	144.5(3)	O(19)#5-NA4A-O(13)#28	112.7(3)
X(2D)#24-Na(3B)-M(1AA)#2	120.6(10)	O(19)#6-NA4A-O(13)#28	152.8(3)
O(16B)#24-Na(3B)-M(1AA)#2	86.6(3)	O(5)-NA4A-O(13)#28	77.8(3)
O(16)#2-Na(3B)-M(1AA)#2	118.2(3)	O(14B)#5-NA4A-O(13B)#1	114.4(3)
O(2)-Na(3B)-M(1AA)#2	39.6(2)	O(14)#6-NA4A-O(13B)#1	58.4(3)
Si(5A)#3-Na(3B)-M(1AA)#2	119.0(2)	X(1C)#25-NA4A-O(13B)#1	105(2)
Si(5)#24-Na(3B)-M(1AA)#2	63.1(2)	X(1B)#26-NA4A-O(13B)#1	63.1(5)
O(17B)#3-Na(3B)-X(2C)#24	102.5(4)	O(8)-NA4A-O(13B)#1	126.6(3)
O(17)#24-Na(3B)-X(2C)#24	100.9(3)	X(1B)#27-NA4A-O(13B)#1	88.4(5)
X(2B)#24-Na(3B)-X(2C)#24	43.3(14)	O(19)#5-NA4A-O(13B)#1	153.5(3)
O(11)-Na(3B)-X(2C)#24	162.5(5)	O(19)#6-NA4A-O(13B)#1	112.4(3)
X(2A)#24-Na(3B)-X(2C)#24	20.3(5)	O(5)-NA4A-O(13B)#1	75.1(3)
X(2D)#24-Na(3B)-X(2C)#24	64.0(13)	O(13)#28-NA4A-O(13B)#1	58.6(2)
O(16B)#24-Na(3B)-X(2C)#24	63.8(4)	O(14B)#5-NA4A-X(1A)#25	104.1(2)
O(16)#2-Na(3B)-X(2C)#24	65.4(4)	O(14)#6-NA4A-X(1A)#25	104.8(2)
O(2)-Na(3B)-X(2C)#24	139.8(5)	X(1C)#25-NA4A-X(1A)#25	31(2)
Si(5A)#3-Na(3B)-X(2C)#24	82.7(3)	X(1B)#26-NA4A-X(1A)#25	25.0(4)
Si(5)#24-Na(3B)-X(2C)#24	81.6(3)	O(8)-NA4A-X(1A)#25	150.2(3)
M(1AA)#2-Na(3B)-X(2C)#24	143.5(3)	X(1B)#27-NA4A-X(1A)#25	25.1(3)
O(17B)#3-Na(3B)-M(1BA)#2	44.6(3)	O(19)#5-NA4A-X(1A)#25	75.3(3)
O(17)#24-Na(3B)-M(1BA)#2	107.8(3)	O(19)#6-NA4A-X(1A)#25	75.2(3)
X(2B)#24-Na(3B)-M(1BA)#2	139.4(9)	O(5)-NA4A-X(1A)#25	150.5(3)
O(11)-Na(3B)-M(1BA)#2	45.3(3)	O(13)#28-NA4A-X(1A)#25	77.7(3)
X(2A)#24-Na(3B)-M(1BA)#2	148.9(3)	O(13B)#1-NA4A-X(1A)#25	78.2(3)
X(2D)#24-Na(3B)-M(1BA)#2	124.6(10)	O(14B)#5-NA4A-Si(6A)#5	29.0(3)
O(16B)#24-Na(3B)-M(1BA)#2	116.8(3)	O(14)#6-NA4A-Si(6A)#5	138.9(2)

X(1C)#25-NA4A-Si(6A)#5	104.1(12)	O(19)#5-Na(4B)-O(13B)#1	153.5(3)
X(1B)#26-NA4A-Si(6A)#5	106.4(4)	O(19)#6-Na(4B)-O(13B)#1	112.4(3)
O(8)-NA4A-Si(6A)#5	107.3(3)	O(5)-Na(4B)-O(13B)#1	75.1(3)
X(1B)#27-NA4A-Si(6A)#5	65.3(4)	O(13)#28-Na(4B)-O(13B)#1	58.6(2)
O(19)#5-NA4A-Si(6A)#5	89.2(2)	O(14B)#5-Na(4B)-X(1A)#25	104.1(2)
O(19)#6-NA4A-Si(6A)#5	149.9(2)	O(14)#6-Na(4B)-X(1A)#25	104.8(2)
O(5)-NA4A-Si(6A)#5	78.6(2)	X(1C)#25-Na(4B)-X(1A)#25	31(2)
O(13)#28-NA4A-Si(6A)#5	29.6(2)	X(1B)#26-Na(4B)-X(1A)#25	25.0(4)
O(13B)#1-NA4A-Si(6A)#5	87.7(2)	O(8)-Na(4B)-X(1A)#25	150.2(3)
X(1A)#25-NA4A-Si(6A)#5	88.06(13)	X(1B)#27-Na(4B)-X(1A)#25	25.1(3)
O(14B)#5-NA4A-Si(6)#1	138.8(3)	O(19)#5-Na(4B)-X(1A)#25	75.3(3)
O(14)#6-NA4A-Si(6)#1	29.3(3)	O(19)#6-Na(4B)-X(1A)#25	75.2(3)
X(1C)#25-NA4A-Si(6)#1	104.4(12)	O(5)-Na(4B)-X(1A)#25	150.5(3)
X(1B)#26-NA4A-Si(6)#1	65.4(4)	O(13)#28-Na(4B)-X(1A)#25	77.7(3)
O(8)-NA4A-Si(6)#1	106.4(3)	O(13B)#1-Na(4B)-X(1A)#25	78.2(3)
X(1B)#27-NA4A-Si(6)#1	107.5(4)	O(20)#23-Na(5)-O(18)	165.7(5)
O(19)#5-NA4A-Si(6)#1	150.0(2)	O(20)#23-Na(5)-M(3B)#25	82.0(12)
O(19)#6-NA4A-Si(6)#1	89.1(2)	O(18)-Na(5)-M(3B)#25	105.6(12)
O(5)-NA4A-Si(6)#1	74.3(2)	O(20)#23-Na(5)-O(9)#5	100.4(4)
O(13)#28-NA4A-Si(6)#1	87.6(2)	O(18)-Na(5)-O(9)#5	92.6(4)
O(13B)#1-NA4A-Si(6)#1	29.5(2)	M(3B)#25-Na(5)-O(9)#5	36.0(6)
X(1A)#25-NA4A-Si(6)#1	88.51(13)	O(20)#23-Na(5)-O(9)#6	96.5(4)
Si(6A)#5-NA4A-Si(6)#1	115.78(7)	O(18)-Na(5)-O(9)#6	84.0(4)
O(14B)#5-Na(4B)-O(14)#6	147.5(2)	M(3B)#25-Na(5)-O(9)#6	34.9(5)
O(14B)#5-Na(4B)-X(1C)#25	106.0(3)	O(9)#5-Na(5)-O(9)#6	62.2(3)
O(14)#6-Na(4B)-X(1C)#25	106.4(2)	O(20)#23-Na(5)-O(7)#29	130.6(4)
O(14B)#5-Na(4B)-X(1B)#26	127.7(5)	O(18)-Na(5)-O(7)#29	62.0(4)
O(14)#6-Na(4B)-X(1B)#26	79.8(4)	M(3B)#25-Na(5)-O(7)#29	92.9(8)
X(1C)#25-Na(4B)-X(1B)#26	42(2)	O(9)#5-Na(5)-O(7)#29	57.6(3)
O(14B)#5-Na(4B)-O(8)	81.8(4)	O(9)#6-Na(5)-O(7)#29	106.8(3)
O(14)#6-Na(4B)-O(8)	80.6(4)	O(20)#23-Na(5)-O(10)#30	85.9(3)
X(1C)#25-Na(4B)-O(8)	119(2)	O(18)-Na(5)-O(10)#30	90.3(3)
X(1B)#26-Na(4B)-O(8)	145.2(5)	M(3B)#25-Na(5)-O(10)#30	158.1(7)
O(14B)#5-Na(4B)-X(1B)#27	78.9(4)	O(9)#5-Na(5)-O(10)#30	130.7(5)
O(14)#6-Na(4B)-X(1B)#27	128.9(4)	O(9)#6-Na(5)-O(10)#30	166.3(4)
X(1C)#25-Na(4B)-X(1B)#27	42(2)	O(7)#29-Na(5)-O(10)#30	81.2(3)
X(1B)#26-Na(4B)-X(1B)#27	49.5(7)	O(20)#23-Na(5)-Na(5)#5	46.4(2)
O(8)-Na(4B)-X(1B)#27	144.7(5)	O(18)-Na(5)-Na(5)#5	129.5(5)
O(14B)#5-Na(4B)-O(19)#5	70.7(3)	M(3B)#25-Na(5)-Na(5)#5	52.1(9)
O(14)#6-Na(4B)-O(19)#5	131.6(3)	O(9)#5-Na(5)-Na(5)#5	86.4(2)
X(1C)#25-Na(4B)-O(19)#5	51(2)	O(9)#6-Na(5)-Na(5)#5	51.3(3)
X(1B)#26-Na(4B)-O(19)#5	92.7(4)	O(7)#29-Na(5)-Na(5)#5	143.8(3)
O(8)-Na(4B)-O(19)#5	79.4(3)	O(10)#30-Na(5)-Na(5)#5	127.1(2)
X(1B)#27-Na(4B)-O(19)#5	66.5(5)	O(20)#23-Na(5)-Na(5)#6	46.4(2)
O(14B)#5-Na(4B)-O(19)#6	131.9(3)	O(18)-Na(5)-Na(5)#6	147.4(4)
O(14)#6-Na(4B)-O(19)#6	70.6(3)	M(3B)#25-Na(5)-Na(5)#6	52.1(9)
X(1C)#25-Na(4B)-O(19)#6	51(2)	O(9)#5-Na(5)-Na(5)#6	55.2(3)
X(1B)#26-Na(4B)-O(19)#6	67.2(5)	O(9)#6-Na(5)-Na(5)#6	84.2(2)
O(8)-Na(4B)-O(19)#6	79.3(3)	O(7)#29-Na(5)-Na(5)#6	92.8(4)
X(1B)#27-Na(4B)-O(19)#6	92.1(4)	O(10)#30-Na(5)-Na(5)#6	106.9(4)
O(19)#5-Na(4B)-O(19)#6	62.6(3)	Na(5)#5-Na(5)-Na(5)#6	60.000(3)
O(14B)#5-Na(4B)-O(5)	76.2(3)	O(20)#23-Na(5)-Si(5)#6	160.3(4)
O(14)#6-Na(4B)-O(5)	71.3(3)	O(18)-Na(5)-Si(5)#6	30.9(3)
X(1C)#25-Na(4B)-O(5)	177.3(12)	M(3B)#25-Na(5)-Si(5)#6	103.0(11)
X(1B)#26-Na(4B)-O(5)	137.4(4)	O(9)#5-Na(5)-Si(5)#6	75.3(3)
O(8)-Na(4B)-O(5)	59.3(2)	O(9)#6-Na(5)-Si(5)#6	98.2(3)
X(1B)#27-Na(4B)-O(5)	140.8(4)	O(7)#29-Na(5)-Si(5)#6	31.3(2)
O(19)#5-Na(4B)-O(5)	129.9(3)	O(10)#30-Na(5)-Si(5)#6	82.9(3)
O(19)#6-Na(4B)-O(5)	127.0(3)	Na(5)#5-Na(5)-Si(5)#6	149.4(2)
O(14B)#5-Na(4B)-O(13)#28	58.2(3)	Na(5)#6-Na(5)-Si(5)#6	122.5(4)
O(14)#6-Na(4B)-O(13)#28	114.6(3)	O(20)#23-Na(5)-O(7B)#6	116.5(4)
X(1C)#25-Na(4B)-O(13)#28	105(2)	O(18)-Na(5)-O(7B)#6	53.4(4)
X(1B)#26-Na(4B)-O(13)#28	87.0(5)	M(3B)#25-Na(5)-O(7B)#6	85.5(6)
O(8)-Na(4B)-O(13)#28	127.5(3)	O(9)#5-Na(5)-O(7B)#6	104.4(4)
X(1B)#27-Na(4B)-O(13)#28	63.4(5)	O(9)#6-Na(5)-O(7B)#6	50.7(3)
O(19)#5-Na(4B)-O(13)#28	112.7(3)	O(7)#29-Na(5)-O(7B)#6	111.9(2)
O(19)#6-Na(4B)-O(13)#28	152.8(3)	O(10)#30-Na(5)-O(7B)#6	116.3(3)
O(5)-Na(4B)-O(13)#28	77.8(3)	Na(5)#5-Na(5)-O(7B)#6	78.0(4)
O(14B)#5-Na(4B)-O(13B)#1	114.4(3)	Na(5)#6-Na(5)-O(7B)#6	132.5(4)
O(14)#6-Na(4B)-O(13B)#1	58.4(3)	Si(5)#6-Na(5)-O(7B)#6	83.1(2)
X(1C)#25-Na(4B)-O(13B)#1	105(2)	O(20)#23-Na(5)-Si(3)#5	113.7(3)
X(1B)#26-Na(4B)-O(13B)#1	63.1(5)	O(18)-Na(5)-Si(3)#5	80.6(3)
O(8)-Na(4B)-O(13B)#1	126.6(3)	M(3B)#25-Na(5)-Si(3)#5	64.0(6)
X(1B)#27-Na(4B)-O(13B)#1	88.4(5)	O(9)#5-Na(5)-Si(3)#5	28.0(2)

O(9)#6-Na(5)-Si(3)#5	86.3(2)	Na(1A)#32-Zr-Na(1B)#32	14.6(6)
O(7)#29-Na(5)-Si(3)#5	30.3(2)	Na(1A)#35-Zr-Na(1B)#32	70.1(7)
O(10)#30-Na(5)-Si(3)#5	105.1(4)	Na(1B)#35-Zr-Na(1B)#32	81.2(5)
Na(5)#5-Na(5)-Si(3)#5	113.6(2)	O(13B)#32-Zr-Na(2)#9	98.0(3)
Na(5)#6-Na(5)-Si(3)#5	68.4(3)	O(16B)#33-Zr-Na(2)#9	137.5(3)
Si(5)#6-Na(5)-Si(3)#5	54.6(2)	O(3)#34-Zr-Na(2)#9	48.0(3)
O(7B)#6-Na(5)-Si(3)#5	115.4(3)	O(13)#34-Zr-Na(2)#9	44.8(4)
O(20)#23-Na(5)-O(10B)#31	88.5(3)	O(16)#9-Zr-Na(2)#9	79.6(3)
O(18)-Na(5)-O(10B)#31	78.8(3)	O(6)#34-Zr-Na(2)#9	135.5(3)
M(3B)#25-Na(5)-O(10B)#31	149.9(5)	Na(1A)#32-Zr-Na(2)#9	109.5(6)
O(9)#5-Na(5)-O(10B)#31	170.8(4)	Na(1A)#35-Zr-Na(2)#9	166.1(7)
O(9)#6-Na(5)-O(10B)#31	119.5(4)	Na(1B)#35-Zr-Na(2)#9	177.7(2)
O(7)#29-Na(5)-O(10B)#31	114.5(3)	Na(1B)#32-Zr-Na(2)#9	98.1(2)
O(10)#30-Na(5)-O(10B)#31	47.0(2)	O(13B)#32-Zr-Na(2)#36	44.5(4)
Na(5)#5-Na(5)-O(10B)#31	101.7(4)	O(16B)#33-Zr-Na(2)#36	88.4(3)
Na(5)#6-Na(5)-O(10B)#31	133.0(2)	O(3)#34-Zr-Na(2)#36	41.9(3)
Si(5)#6-Na(5)-O(10B)#31	95.5(2)	O(13)#34-Zr-Na(2)#36	96.3(4)
O(7B)#6-Na(5)-O(10B)#31	73.2(3)	O(16)#9-Zr-Na(2)#36	136.3(3)
Si(3)#5-Na(5)-O(10B)#31	144.7(3)	O(6)#34-Zr-Na(2)#36	134.3(3)
O(20)#23-Na(5)-Si(5A)	143.4(4)	Na(1A)#32-Zr-Na(2)#36	171.7(7)
O(18)-Na(5)-Si(5A)	25.1(3)	Na(1A)#35-Zr-Na(2)#36	116.4(6)
M(3B)#25-Na(5)-Si(5A)	98.5(10)	Na(1B)#35-Zr-Na(2)#36	104.9(3)
O(9)#5-Na(5)-Si(5A)	100.9(3)	Na(1B)#32-Zr-Na(2)#36	173.3(3)
O(9)#6-Na(5)-Si(5A)	68.1(3)	Na(2)#9-Zr-Na(2)#36	75.7(2)
O(7)#29-Na(5)-Si(5A)	86.0(2)	O(2)-Si(1)-O(1)#1	109.8(4)
O(10)#30-Na(5)-Si(5A)	102.1(3)	O(2)-Si(1)-O(3)	114.1(4)
Na(5)#5-Na(5)-Si(5A)	106.0(4)	O(1)#1-Si(1)-O(3)	108.6(5)
Na(5)#6-Na(5)-Si(5A)	150.5(2)	O(2)-Si(1)-O(1)#2	111.0(4)
Si(5)#6-Na(5)-Si(5A)	55.50(11)	O(1)#1-Si(1)-O(1)#2	106.3(4)
O(7B)#6-Na(5)-Si(5A)	28.5(2)	O(3)-Si(1)-O(1)#2	106.6(5)
Si(3)#5-Na(5)-Si(5A)	98.8(2)	O(2)-Si(1)-Na(2)#1	127.6(4)
O(10B)#31-Na(5)-Si(5A)	72.7(2)	O(1)#1-Si(1)-Na(2)#1	54.6(3)
O(13B)#32-Zr-O(16B)#33	97.2(3)	O(3)-Si(1)-Na(2)#1	54.0(4)
O(13B)#32-Zr-O(3)#34	84.6(5)	O(1)#2-Si(1)-Na(2)#1	121.4(3)
O(16B)#33-Zr-O(3)#34	94.7(4)	O(2)-Si(1)-Na(2)#2	129.8(4)
O(13B)#32-Zr-O(13)#34	85.9(3)	O(1)#1-Si(1)-Na(2)#2	120.1(3)
O(16B)#33-Zr-O(13)#34	175.3(4)	O(3)-Si(1)-Na(2)#2	56.1(4)
O(3)#34-Zr-O(13)#34	89.1(4)	O(1)#2-Si(1)-Na(2)#2	50.6(3)
O(13B)#32-Zr-O(16)#9	176.6(4)	Na(2)#1-Si(1)-Na(2)#2	88.7(2)
O(16B)#33-Zr-O(16)#9	86.2(3)	O(2)-Si(1)-M(1BA)#2	40.0(3)
O(3)#34-Zr-O(16)#9	95.4(4)	O(1)#1-Si(1)-M(1BA)#2	130.2(3)
O(13)#34-Zr-O(16)#9	90.7(3)	O(3)-Si(1)-M(1BA)#2	119.8(4)
O(13B)#32-Zr-O(6)#34	92.2(4)	O(1)#2-Si(1)-M(1BA)#2	71.8(3)
O(16B)#33-Zr-O(6)#34	83.0(4)	Na(2)#1-Si(1)-M(1BA)#2	165.8(2)
O(3)#34-Zr-O(6)#34	175.8(3)	Na(2)#2-Si(1)-M(1BA)#2	97.5(2)
O(13)#34-Zr-O(6)#34	93.5(4)	O(2)-Si(1)-M(1BB)#2	40.0(3)
O(16)#9-Zr-O(6)#34	87.9(4)	O(1)#1-Si(1)-M(1BB)#2	130.2(3)
O(13B)#32-Zr-Na(1A)#32	138.1(4)	O(3)-Si(1)-M(1BB)#2	119.8(4)
O(16B)#33-Zr-Na(1A)#32	83.5(8)	O(1)#2-Si(1)-M(1BB)#2	71.8(3)
O(3)#34-Zr-Na(1A)#32	137.2(3)	Na(2)#1-Si(1)-M(1BB)#2	165.8(2)
O(13)#34-Zr-Na(1A)#32	91.9(8)	Na(2)#2-Si(1)-M(1BB)#2	97.5(2)
O(16)#9-Zr-Na(1A)#32	41.8(4)	M(1BA)#2-Si(1)-M(1BB)#2	0.0(2)
O(6)#34-Zr-Na(1A)#32	46.1(3)	O(5)-Si(2)-O(6)#28	114.5(5)
O(13B)#32-Zr-Na(1A)#35	95.7(8)	O(5)-Si(2)-O(4)#1	108.9(5)
O(16B)#33-Zr-Na(1A)#35	41.9(4)	O(6)#28-Si(2)-O(4)#1	106.9(5)
O(3)#34-Zr-Na(1A)#35	136.4(3)	O(5)-Si(2)-O(4)#2	111.6(4)
O(13)#34-Zr-Na(1A)#35	134.5(4)	O(6)#28-Si(2)-O(4)#2	108.8(5)
O(16)#9-Zr-Na(1A)#35	86.6(8)	O(4)#1-Si(2)-O(4)#2	105.7(5)
O(6)#34-Zr-Na(1A)#35	41.1(3)	O(5)-Si(2)-Na(1B)#2	123.3(5)
Na(1A)#32-Zr-Na(1A)#35	57.7(12)	O(6)#28-Si(2)-Na(1B)#2	50.6(5)
O(13B)#32-Zr-Na(1B)#35	81.1(4)	O(4)#1-Si(2)-Na(1B)#2	127.7(5)
O(16B)#33-Zr-Na(1B)#35	44.8(4)	O(4)#2-Si(2)-Na(1B)#2	59.2(4)
O(3)#34-Zr-Na(1B)#35	133.8(4)	O(5)-Si(2)-Na(1A)#2	137.4(7)
O(13)#34-Zr-Na(1B)#35	132.9(4)	O(6)#28-Si(2)-Na(1A)#2	43.6(6)
O(16)#9-Zr-Na(1B)#35	101.3(4)	O(4)#1-Si(2)-Na(1A)#2	112.7(8)
O(6)#34-Zr-Na(1B)#35	42.6(3)	O(4)#2-Si(2)-Na(1A)#2	65.6(6)
Na(1A)#32-Zr-Na(1B)#35	70.2(8)	Na(1B)#2-Si(2)-Na(1A)#2	16.1(5)
Na(1A)#35-Zr-Na(1B)#35	14.7(5)	O(5)-Si(2)-M(1BB)	42.1(4)
O(13B)#32-Zr-Na(1B)#32	135.6(4)	O(6)#28-Si(2)-M(1BB)	124.2(4)
O(16B)#33-Zr-Na(1B)#32	98.1(4)	O(4)#1-Si(2)-M(1BB)	66.9(3)
O(3)#34-Zr-Na(1B)#32	134.9(4)	O(4)#2-Si(2)-M(1BB)	126.6(3)
O(13)#34-Zr-Na(1B)#32	77.3(4)	Na(1B)#2-Si(2)-M(1BB)	164.3(4)
O(16)#9-Zr-Na(1B)#32	43.1(4)	Na(1A)#2-Si(2)-M(1BB)	167.8(6)
O(6)#34-Zr-Na(1B)#32	49.1(3)	O(5)-Si(2)-M(1BA)	42.1(4)

O(6)#28-Si(2)-M(1BA)	124.2(4)	O(11)-Si(4)-Na(5)#21	167.6(4)
O(4)#1-Si(2)-M(1BA)	66.9(3)	O(10)#2-Si(4)-Na(5)#21	54.4(4)
O(4)#2-Si(2)-M(1BA)	126.6(3)	O(12)-Si(4)-Na(5)#21	79.7(3)
Na(1B)#2-Si(2)-M(1BA)	164.3(4)	O(10B)#3-Si(4)-Na(5)#21	68.0(3)
Na(1A)#2-Si(2)-M(1BA)	167.8(6)	Na(1B)-Si(4)-Na(5)#21	67.2(2)
M(1BB)-Si(2)-M(1BA)	0.0(2)	M(1BA)#2-Si(4)-Na(5)#21	146.3(2)
O(5)-Si(2)-Na(1B)#1	124.5(4)	O(11)-Si(4)-Na(3B)	38.0(3)
O(6)#28-Si(2)-Na(1B)#1	53.9(5)	O(10)#2-Si(4)-Na(3B)	127.6(5)
O(4)#1-Si(2)-Na(1B)#1	53.3(4)	O(12)-Si(4)-Na(3B)	73.0(3)
O(4)#2-Si(2)-Na(1B)#1	123.6(4)	O(10B)#3-Si(4)-Na(3B)	129.3(4)
Na(1B)#2-Si(2)-Na(1B)#1	91.5(6)	Na(1B)-Si(4)-Na(3B)	141.5(2)
Na(1A)#2-Si(2)-Na(1B)#1	76.3(10)	M(1BA)#2-Si(4)-Na(3B)	57.64(12)
M(1BB)-Si(2)-Na(1B)#1	95.0(3)	Na(5)#21-Si(4)-Na(3B)	151.1(2)
M(1BA)-Si(2)-Na(1B)#1	95.0(3)	O(11)-Si(4)-Na(3A)	38.0(3)
O(5)-Si(2)-Na(1A)#1	137.4(8)	O(10)#2-Si(4)-Na(3A)	127.6(5)
O(6)#28-Si(2)-Na(1A)#1	45.7(5)	O(12)-Si(4)-Na(3A)	73.0(3)
O(4)#1-Si(2)-Na(1A)#1	62.4(6)	O(10B)#3-Si(4)-Na(3A)	129.3(4)
O(4)#2-Si(2)-Na(1A)#1	110.8(8)	Na(1B)-Si(4)-Na(3A)	141.5(2)
Na(1B)#2-Si(2)-Na(1A)#1	76.7(9)	M(1BA)#2-Si(4)-Na(3A)	57.64(12)
Na(1A)#2-Si(2)-Na(1A)#1	61(2)	Na(5)#21-Si(4)-Na(3A)	151.1(2)
M(1BB)-Si(2)-Na(1A)#1	110.5(8)	Na(3B)-Si(4)-Na(3A)	0.0(6)
M(1BA)-Si(2)-Na(1A)#1	110.5(8)	O(17)-Si(5)-O(16B)	111.5(6)
Na(1B)#1-Si(2)-Na(1A)#1	15.5(5)	O(17)-Si(5)-O(7)#7	111.7(5)
O(9)-Si(3)-O(8)	116.9(4)	O(16B)-Si(5)-O(7)#7	108.6(5)
O(9)-Si(3)-O(7B)	106.6(6)	O(17)-Si(5)-O(18)#5	109.9(5)
O(8)-Si(3)-O(7B)	113.1(6)	O(16B)-Si(5)-O(18)#5	107.7(5)
O(9)-Si(3)-O(7)#1	104.4(5)	O(7)#7-Si(5)-O(18)#5	107.2(5)
O(8)-Si(3)-O(7)#1	111.6(6)	O(17)-Si(5)-Na(5)#5	131.0(5)
O(7B)-Si(3)-O(7)#1	103.1(3)	O(16B)-Si(5)-Na(5)#5	116.3(5)
O(9)-Si(3)-Na(5)#6	48.1(4)	O(7)#7-Si(5)-Na(5)#5	62.4(4)
O(8)-Si(3)-Na(5)#6	143.3(5)	O(18)#5-Si(5)-Na(5)#5	45.2(3)
O(7B)-Si(3)-Na(5)#6	103.6(4)	O(17)-Si(5)-Na(3A)#13	49.4(4)
O(7)#1-Si(3)-Na(5)#6	58.0(4)	O(16B)-Si(5)-Na(3A)#13	62.1(4)
O(9)-Si(3)-Na(2)	131.0(3)	O(7)#7-Si(5)-Na(3A)#13	128.7(4)
O(8)-Si(3)-Na(2)	112.2(3)	O(18)#5-Si(5)-Na(3A)#13	123.9(3)
O(7B)-Si(3)-Na(2)	49.5(4)	Na(5)#5-Si(5)-Na(3A)#13	168.9(2)
O(7)#1-Si(3)-Na(2)	56.9(3)	O(17)-Si(5)-Na(3B)#13	49.4(4)
Na(5)#6-Si(3)-Na(2)	91.6(2)	O(16B)-Si(5)-Na(3B)#13	62.1(4)
O(9)-Si(3)-M(1BA)	127.7(4)	O(7)#7-Si(5)-Na(3B)#13	128.7(4)
O(8)-Si(3)-M(1BA)	38.3(5)	O(18)#5-Si(5)-Na(3B)#13	123.9(3)
O(7B)-Si(3)-M(1BA)	75.0(4)	Na(5)#5-Si(5)-Na(3B)#13	168.9(2)
O(7)#1-Si(3)-M(1BA)	126.6(3)	Na(3A)#13-Si(5)-Na(3B)#13	0.0(6)
Na(5)#6-Si(3)-M(1BA)	175.3(2)	O(17)-Si(5)-Na(1B)#37	133.2(5)
Na(2)-Si(3)-M(1BA)	90.79(13)	O(16B)-Si(5)-Na(1B)#37	51.2(5)
O(9)-Si(3)-Na(5)#5	42.7(4)	O(7)#7-Si(5)-Na(1B)#37	115.1(5)
O(8)-Si(3)-Na(5)#5	144.8(4)	O(18)#5-Si(5)-Na(1B)#37	57.0(4)
O(7B)-Si(3)-Na(5)#5	65.4(4)	Na(5)#5-Si(5)-Na(1B)#37	75.0(3)
O(7)#1-Si(3)-Na(5)#5	102.5(3)	Na(3A)#13-Si(5)-Na(1B)#37	97.4(3)
Na(5)#6-Si(3)-Na(5)#5	53.3(2)	Na(3B)#13-Si(5)-Na(1B)#37	97.4(3)
Na(2)-Si(3)-Na(5)#5	93.4(2)	O(17)-Si(5)-Na(1A)#37	118.3(9)
M(1BA)-Si(3)-Na(5)#5	122.5(2)	O(16B)-Si(5)-Na(1A)#37	44.8(6)
O(9)-Si(3)-NA4A	85.8(2)	O(7)#7-Si(5)-Na(1A)#37	129.2(7)
O(8)-Si(3)-NA4A	31.1(3)	O(18)#5-Si(5)-Na(1A)#37	63.8(6)
O(7B)-Si(3)-NA4A	125.6(4)	Na(5)#5-Si(5)-Na(1A)#37	89.8(8)
O(7)#1-Si(3)-NA4A	125.3(3)	Na(3A)#13-Si(5)-Na(1A)#37	81.9(8)
Na(5)#6-Si(3)-NA4A	121.6(2)	Na(3B)#13-Si(5)-Na(1A)#37	81.9(8)
Na(2)-Si(3)-NA4A	143.13(10)	Na(1B)#37-Si(5)-Na(1A)#37	16.0(6)
M(1BA)-Si(3)-NA4A	57.41(6)	O(17B)-Si(5A)-O(16)#6	116.1(7)
Na(5)#5-Si(3)-NA4A	118.46(14)	O(17B)-Si(5A)-O(18)	109.4(5)
O(11)-Si(4)-O(10)#2	114.3(6)	O(16)#6-Si(5A)-O(18)	106.5(5)
O(11)-Si(4)-O(12)	110.9(4)	O(17B)-Si(5A)-O(7B)#6	109.2(6)
O(10)#2-Si(4)-O(12)	109.9(5)	O(16)#6-Si(5A)-O(7B)#6	108.1(6)
O(11)-Si(4)-O(10B)#3	112.7(6)	O(18)-Si(5A)-O(7B)#6	107.1(5)
O(10)#2-Si(4)-O(10B)#3	100.5(4)	O(17B)-Si(5A)-Na(3B)#7	50.1(4)
O(12)-Si(4)-O(10B)#3	107.9(5)	O(16)#6-Si(5A)-Na(3B)#7	66.1(5)
O(11)-Si(4)-Na(1B)	103.7(3)	O(18)-Si(5A)-Na(3B)#7	122.5(3)
O(10)#2-Si(4)-Na(1B)	61.1(5)	O(7B)#6-Si(5A)-Na(3B)#7	129.9(4)
O(12)-Si(4)-Na(1B)	144.3(3)	O(17B)-Si(5A)-Na(3A)#7	50.1(4)
O(10B)#3-Si(4)-Na(1B)	48.0(4)	O(16)#6-Si(5A)-Na(3A)#7	66.1(5)
O(11)-Si(4)-M(1BA)#2	36.3(5)	O(18)-Si(5A)-Na(3A)#7	122.5(3)
O(10)#2-Si(4)-M(1BA)#2	134.7(3)	O(7B)#6-Si(5A)-Na(3A)#7	129.9(4)
O(12)-Si(4)-M(1BA)#2	113.4(3)	Na(3B)#7-Si(5A)-Na(3A)#7	0.0(4)
O(10B)#3-Si(4)-M(1BA)#2	78.3(3)	O(17B)-Si(5A)-Na(1B)#38	133.6(5)
Na(1B)-Si(4)-M(1BA)#2	89.3(2)	O(16)#6-Si(5A)-Na(1B)#38	49.7(5)

O(18) - Si(5A) - Na(1B) #38	56.9(4)	O(13) #39 - Si(6A) - O(14B)	108.0(6)
O(7B) #6 - Si(5A) - Na(1B) #38	117.2(5)	O(13) #39 - Si(6A) - O(10B)	109.8(6)
Na(3B) #7 - Si(5A) - Na(1B) #38	96.7(3)	O(14B) - Si(6A) - O(10B)	110.3(5)
Na(3A) #7 - Si(5A) - Na(1B) #38	96.7(3)	O(13) #39 - Si(6A) - O(15)	108.8(6)
O(17B) - Si(5A) - Na(1A) #38	119.0(9)	O(14B) - Si(6A) - O(15)	111.9(5)
O(16) #6 - Si(5A) - Na(1A) #38	44.0(5)	O(10B) - Si(6A) - O(15)	108.0(5)
O(18) - Si(5A) - Na(1A) #38	64.3(5)	O(13) #39 - Si(6A) - Na(2) #28	56.6(5)
O(7B) #6 - Si(5A) - Na(1A) #38	131.2(9)	O(14B) - Si(6A) - Na(2) #28	129.2(4)
Na(3B) #7 - Si(5A) - Na(1A) #38	81.0(8)	O(10B) - Si(6A) - Na(2) #28	120.5(4)
Na(3A) #7 - Si(5A) - Na(1A) #38	81.0(8)	O(15) - Si(6A) - Na(2) #28	52.4(3)
Na(1B) #38 - Si(5A) - Na(1A) #38	16.0(6)	O(13) #39 - Si(6A) - Na(4B) #6	61.4(4)
O(17B) - Si(5A) - Na(5)	126.4(5)	O(14B) - Si(6A) - Na(4B) #6	47.5(4)
O(16) #6 - Si(5A) - Na(5)	114.0(5)	O(10B) - Si(6A) - Na(4B) #6	133.8(4)
O(18) - Si(5A) - Na(5)	36.2(3)	O(15) - Si(6A) - Na(4B) #6	117.8(3)
O(7B) #6 - Si(5A) - Na(5)	71.1(4)	Na(2) #28 - Si(6A) - Na(4B) #6	93.3(2)
Na(3B) #7 - Si(5A) - Na(5)	158.7(2)	O(13) #39 - Si(6A) - NA4A#6	61.4(4)
Na(3A) #7 - Si(5A) - Na(5)	158.7(2)	O(14B) - Si(6A) - NA4A#6	47.5(4)
Na(1B) #38 - Si(5A) - Na(5)	71.5(4)	O(10B) - Si(6A) - NA4A#6	133.8(4)
Na(1A) #38 - Si(5A) - Na(5)	85.6(7)	O(15) - Si(6A) - NA4A#6	117.8(3)
O(17B) - Si(5A) - M(1BA) #6	36.9(4)	Na(2) #28 - Si(6A) - NA4A#6	93.3(2)
O(16) #6 - Si(5A) - M(1BA) #6	111.3(5)	Na(4B) #6 - Si(6A) - NA4A#6	0.00(6)
O(18) - Si(5A) - M(1BA) #6	138.4(3)	O(13) #39 - Si(6A) - M(1BA) #6	104.8(5)
O(7B) #6 - Si(5A) - M(1BA) #6	77.2(4)	O(14B) - Si(6A) - M(1BA) #6	35.9(4)
Na(3B) #7 - Si(5A) - M(1BA) #6	61.91(12)	O(10B) - Si(6A) - M(1BA) #6	78.6(3)
Na(3A) #7 - Si(5A) - M(1BA) #6	61.91(12)	O(15) - Si(6A) - M(1BA) #6	140.6(3)
Na(1B) #38 - Si(5A) - M(1BA) #6	157.8(4)	Na(2) #28 - Si(6A) - M(1BA) #6	155.8(2)
Na(1A) #38 - Si(5A) - M(1BA) #6	142.8(7)	Na(4B) #6 - Si(6A) - M(1BA) #6	62.75(9)
Na(5) - Si(5A) - M(1BA) #6	130.7(2)	NA4A#6 - Si(6A) - M(1BA) #6	62.75(9)
O(17B) - Si(5A) - Na(2) #6	121.2(5)	O(13) #39 - Si(6A) - Na(1B) #7	75.1(5)
O(16) #6 - Si(5A) - Na(2) #6	76.0(4)	O(14B) - Si(6A) - Na(1B) #7	119.5(4)
O(18) - Si(5A) - Na(2) #6	122.0(3)	O(10B) - Si(6A) - Na(1B) #7	34.9(4)
O(7B) #6 - Si(5A) - Na(2) #6	32.5(4)	O(15) - Si(6A) - Na(1B) #7	124.3(4)
Na(3B) #7 - Si(5A) - Na(2) #6	111.5(2)	Na(2) #28 - Si(6A) - Na(1B) #7	103.5(2)
Na(3A) #7 - Si(5A) - Na(2) #6	111.5(2)	Na(4B) #6 - Si(6A) - Na(1B) #7	112.2(3)
Na(1B) #38 - Si(5A) - Na(2) #6	99.4(3)	NA4A#6 - Si(6A) - Na(1B) #7	112.2(3)
Na(1A) #38 - Si(5A) - Na(2) #6	108.2(6)	M(1BA) #6 - Si(6A) - Na(1B) #7	83.9(2)
Na(5) - Si(5A) - Na(2) #6	88.3(2)	Si(1) #2 - O(1) - Si(1) #1	133.2(4)
M(1BA) #6 - Si(5A) - Na(2) #6	84.30(11)	Si(1) #2 - O(1) - Na(2)	95.0(5)
O(13B) - Si(6) - O(15) #4	106.7(6)	Si(1) #1 - O(1) - Na(2)	99.1(5)
O(13B) - Si(6) - O(14) #4	111.9(6)	Si(1) - O(2) - M(1AA) #2	132.8(5)
O(15) #4 - Si(6) - O(14) #4	112.6(5)	Si(1) - O(2) - M(1BB) #2	114.6(5)
O(13B) - Si(6) - O(10)	109.5(6)	M(1AA) #2 - O(2) - M(1BB) #2	108.2(3)
O(15) #4 - Si(6) - O(10)	104.3(5)	Si(1) - O(2) - M(1BA) #2	114.6(5)
O(14) #4 - Si(6) - O(10)	111.5(6)	M(1AA) #2 - O(2) - M(1BA) #2	108.2(3)
O(13B) - Si(6) - Na(2) #16	55.9(5)	M(1BB) #2 - O(2) - M(1BA) #2	0.0(2)
O(15) #4 - Si(6) - Na(2) #16	50.8(3)	Si(1) - O(2) - Na(3A)	127.1(4)
O(14) #4 - Si(6) - Na(2) #16	129.8(4)	M(1AA) #2 - O(2) - Na(3A)	78.3(3)
O(10) - Si(6) - Na(2) #16	118.4(4)	M(1BB) #2 - O(2) - Na(3A)	80.2(3)
O(13B) - Si(6) - NA4A#2	63.7(5)	M(1BA) #2 - O(2) - Na(3A)	80.2(3)
O(15) #4 - Si(6) - NA4A#2	117.6(3)	Si(1) - O(2) - Na(3B)	127.1(4)
O(14) #4 - Si(6) - NA4A#2	49.3(4)	M(1AA) #2 - O(2) - Na(3B)	78.3(3)
O(10) - Si(6) - NA4A#2	137.9(4)	M(1BB) #2 - O(2) - Na(3B)	80.2(3)
Na(2) #16 - Si(6) - NA4A#2	92.8(2)	M(1BA) #2 - O(2) - Na(3B)	80.2(3)
O(13B) - Si(6) - Na(4B) #2	63.7(5)	Na(3A) - O(2) - Na(3B)	0.0(4)
O(15) #4 - Si(6) - Na(4B) #2	117.6(3)	Si(1) - O(3) - Zr#40	147.4(5)
O(14) #4 - Si(6) - Na(4B) #2	49.3(4)	Si(1) - O(3) - Na(2) #1	95.2(5)
O(10) - Si(6) - Na(4B) #2	137.9(4)	Zr#40 - O(3) - Na(2) #1	105.6(4)
Na(2) #16 - Si(6) - Na(4B) #2	92.8(2)	Si(1) - O(3) - Na(2) #2	94.6(5)
NA4A#2 - Si(6) - Na(4B) #2	0.00(6)	Zr#40 - O(3) - Na(2) #2	98.1(4)
O(13B) - Si(6) - Na(1B) #1	70.4(5)	Na(2) #1 - O(3) - Na(2) #2	116.4(4)
O(15) #4 - Si(6) - Na(1B) #1	127.6(4)	Si(2) #2 - O(4) - Si(2) #1	131.2(5)
O(14) #4 - Si(6) - Na(1B) #1	116.7(4)	Si(2) #2 - O(4) - Na(1B)	97.9(5)
O(10) - Si(6) - Na(1B) #1	40.9(4)	Si(2) #1 - O(4) - Na(1B)	88.7(5)
Na(2) #16 - Si(6) - Na(1B) #1	104.4(2)	Si(2) #2 - O(4) - Na(1A)	88.8(5)
NA4A#2 - Si(6) - Na(1B) #1	107.6(2)	Si(2) #1 - O(4) - Na(1A)	83.6(6)
Na(4B) #2 - Si(6) - Na(1B) #1	107.6(2)	Na(1B) - O(4) - Na(1A)	17.4(5)
O(13B) - Si(6) - Na(5) #14	99.5(5)	Si(2) #2 - O(4) - M(1BA) #2	84.0(3)
O(15) #4 - Si(6) - Na(5) #14	72.8(3)	Si(2) #1 - O(4) - M(1BA) #2	135.2(4)
O(14) #4 - Si(6) - Na(5) #14	143.8(4)	Na(1B) - O(4) - M(1BA) #2	116.4(4)
O(10) - Si(6) - Na(5) #14	37.6(4)	Na(1A) - O(4) - M(1BA) #2	130.3(8)
Na(2) #16 - Si(6) - Na(5) #14	82.5(2)	Si(2) - O(5) - M(1AA) #1	126.2(5)
NA4A#2 - Si(6) - Na(5) #14	161.68(14)	Si(2) - O(5) - M(1BB)	111.3(5)
Na(4B) #2 - Si(6) - Na(5) #14	161.68(14)	M(1AA) #1 - O(5) - M(1BB)	109.2(3)
Na(1B) #1 - Si(6) - Na(5) #14	57.1(2)	Si(2) - O(5) - M(1BA)	111.3(5)

M(1AA)#1-O(5)-M(1BA)	109.2(3)	Na(1B)#7-O(10B)-Na(5)#43	80.3(3)
M(1BB)-O(5)-M(1BA)	0.0(2)	Si(6A)-O(10B)-Na(1A)#7	117.7(5)
Si(2)-O(5)-NA4A	133.5(5)	Si(4)#7-O(10B)-Na(1A)#7	110.7(5)
M(1AA)#1-O(5)-NA4A	83.3(3)	Na(1B)#7-O(10B)-Na(1A)#7	6.8(5)
M(1BB)-O(5)-NA4A	85.1(2)	Na(5)#43-O(10B)-Na(1A)#7	83.4(3)
M(1BA)-O(5)-NA4A	85.1(2)	Si(4)-O(11)-M(1AA)#2	129.1(7)
Si(2)-O(5)-Na(4B)	133.5(5)	Si(4)-O(11)-M(1BB)#2	121.1(6)
M(1AA)#1-O(5)-Na(4B)	83.3(3)	M(1AA)#2-O(11)-M(1BB)#2	102.0(3)
M(1BB)-O(5)-Na(4B)	85.1(2)	Si(4)-O(11)-M(1BA)#2	121.1(6)
M(1BA)-O(5)-Na(4B)	85.1(2)	M(1AA)#2-O(11)-M(1BA)#2	102.0(3)
NA4A-O(5)-Na(4B)	0.00(8)	M(1BB)#2-O(11)-M(1BA)#2	0.0(2)
Si(2)#22-O(6)-Zr#40	140.8(5)	Si(4)-O(11)-Na(3A)	119.4(4)
Si(2)#22-O(6)-Na(1A)#41	108.5(8)	M(1AA)#2-O(11)-Na(3A)	86.0(3)
Zr#40-O(6)-Na(1A)#41	103.1(5)	M(1BB)#2-O(11)-Na(3A)	87.2(3)
Si(2)#22-O(6)-Na(1B)#41	99.2(5)	M(1BA)#2-O(11)-Na(3A)	87.2(3)
Zr#40-O(6)-Na(1B)#41	102.0(5)	Si(4)-O(11)-Na(3B)	119.4(4)
Na(1A)#41-O(6)-Na(1B)#41	21.4(8)	M(1AA)#2-O(11)-Na(3B)	86.0(3)
Si(2)#22-O(6)-Na(1A)#42	107.3(7)	M(1BB)#2-O(11)-Na(3B)	87.2(3)
Zr#40-O(6)-Na(1A)#42	96.8(5)	M(1BA)#2-O(11)-Na(3B)	87.2(3)
Na(1A)#41-O(6)-Na(1A)#42	87(2)	Na(3A)-O(11)-Na(3B)	0.0(7)
Na(1B)#41-O(6)-Na(1A)#42	108.4(14)	Si(4)-O(12)-Si(7)#24	139.6(5)
Si(2)#22-O(6)-Na(1B)#42	97.8(5)	Si(4)-O(12)-Si(7A)#24	151.3(6)
Zr#40-O(6)-Na(1B)#42	95.1(4)	Si(7)#24-O(12)-Si(7A)#24	51.3(8)
Na(1A)#41-O(6)-Na(1B)#42	106.2(13)	Si(4)-O(12)-Na(3A)	80.6(3)
Na(1B)#41-O(6)-Na(1B)#42	127.3(8)	Si(7)#24-O(12)-Na(3A)	129.6(4)
Na(1A)#42-O(6)-Na(1B)#42	19.3(8)	Si(7A)#24-O(12)-Na(3A)	79.1(8)
Si(5)#3-O(7)-Si(3)#2	127.3(6)	Si(4)-O(12)-Na(3B)	80.6(3)
Si(5)#3-O(7)-Na(5)#4	86.4(4)	Si(7)#24-O(12)-Na(3B)	129.6(4)
Si(3)#2-O(7)-Na(5)#4	91.7(4)	Si(7A)#24-O(12)-Na(3B)	79.1(8)
Si(5)#3-O(7)-Na(2)#2	133.0(5)	Na(3A)-O(12)-Na(3B)	0.0(6)
Si(3)#2-O(7)-Na(2)#2	94.4(4)	Si(6A)#44-O(13)-Zr#40	150.4(8)
Na(5)#4-O(7)-Na(2)#2	116.3(3)	Si(6A)#44-O(13)-Na(2)#2	93.0(5)
Si(3)-O(7B)-Si(5A)#5	127.3(7)	Zr#40-O(13)-Na(2)#2	101.5(5)
Si(3)-O(7B)-Na(2)	102.7(5)	Si(6A)#44-O(13)-Na(4B)#22	89.0(5)
Si(5A)#5-O(7B)-Na(2)	128.2(5)	Zr#40-O(13)-Na(4B)#22	107.0(4)
Si(3)-O(7B)-Na(5)#5	87.3(4)	Na(2)#2-O(13)-Na(4B)#22	116.0(5)
Si(5A)#5-O(7B)-Na(5)#5	80.4(4)	Si(6A)#44-O(13)-NA4A#22	89.0(5)
Na(2)-O(7B)-Na(5)#5	118.4(4)	Zr#40-O(13)-NA4A#22	107.0(4)
Si(3)-O(8)-M(1AA)#1	124.3(6)	Na(2)#2-O(13)-NA4A#22	116.0(5)
Si(3)-O(8)-M(1BB)	118.7(6)	Na(4B)#22-O(13)-NA4A#22	0.00(12)
M(1AA)#1-O(8)-M(1BB)	99.8(2)	Si(6)-O(13B)-Zr#45	153.2(8)
Si(3)-O(8)-M(1BA)	118.7(6)	Si(6)-O(13B)-Na(2)#16	94.2(5)
M(1AA)#1-O(8)-M(1BA)	99.8(2)	Zr#45-O(13B)-Na(2)#16	102.5(5)
M(1BB)-O(8)-M(1BA)	0.0(2)	Si(6)-O(13B)-NA4A#2	86.9(6)
Si(3)-O(8)-NA4A	130.1(4)	Zr#45-O(13B)-NA4A#2	104.9(4)
M(1AA)#1-O(8)-NA4A	86.1(3)	Na(2)#16-O(13B)-NA4A#2	113.7(4)
M(1BB)-O(8)-NA4A	88.3(3)	Si(6)-O(13B)-Na(4B)#2	86.9(6)
M(1BA)-O(8)-NA4A	88.3(3)	Zr#45-O(13B)-Na(4B)#2	104.9(4)
Si(3)-O(8)-Na(4B)	130.1(4)	Na(2)#16-O(13B)-Na(4B)#2	113.7(4)
M(1AA)#1-O(8)-Na(4B)	86.1(3)	NA4A#2-O(13B)-Na(4B)#2	0.00(8)
M(1BB)-O(8)-Na(4B)	88.3(3)	Si(6)#29-O(14)-M(2,5)	127.9(6)
M(1BA)-O(8)-Na(4B)	88.3(3)	Si(6)#29-O(14)-M(2,4)	117.9(9)
NA4A-O(8)-Na(4B)	0.00(13)	M(2,5)-O(14)-M(2,4)	18.5(7)
M(3B)#25-O(9)-Si(3)	175.4(14)	Si(6)#29-O(14)-M(1AA)#29	124.7(5)
M(3B)#25-O(9)-M(3)#25	48(3)	M(2,5)-O(14)-M(1AA)#29	101.1(4)
Si(3)-O(9)-M(3)#25	133.5(4)	M(2,4)-O(14)-M(1AA)#29	100.5(7)
M(3B)#25-O(9)-Na(5)#6	72(2)	Si(6)#29-O(14)-NA4A#5	101.4(5)
Si(3)-O(9)-Na(5)#6	103.9(5)	M(2,5)-O(14)-NA4A#5	102.6(4)
M(3)#25-O(9)-Na(5)#6	110.7(4)	M(2,4)-O(14)-NA4A#5	121.1(9)
M(3B)#25-O(9)-Na(5)#5	68(2)	M(1AA)#29-O(14)-NA4A#5	89.5(3)
Si(3)-O(9)-Na(5)#5	113.3(5)	Si(6)#29-O(14)-Na(4B)#5	101.4(5)
M(3)#25-O(9)-Na(5)#5	105.9(4)	M(2,5)-O(14)-Na(4B)#5	102.6(4)
Na(5)#6-O(9)-Na(5)#5	73.5(3)	M(2,4)-O(14)-Na(4B)#5	121.1(9)
Si(4)#1-O(10)-Si(6)	131.0(7)	M(1AA)#29-O(14)-Na(4B)#5	89.5(3)
Si(4)#1-O(10)-Na(5)#14	98.9(5)	NA4A#5-O(14)-Na(4B)#5	0.00(8)
Si(6)-O(10)-Na(5)#14	122.5(5)	Si(6A)-O(14B)-M(2,5)	127.6(6)
Si(4)#1-O(10)-Na(1B)#1	90.7(5)	Si(6A)-O(14B)-M(2,4)	117.6(8)
Si(6)-O(10)-Na(1B)#1	118.2(5)	M(2,5)-O(14B)-M(2,4)	18.4(8)
Na(5)#14-O(10)-Na(1B)#1	81.4(3)	Si(6A)-O(14B)-M(1BB)#6	121.3(6)
Si(6A)-O(10B)-Si(4)#7	127.0(5)	M(2,5)-O(14B)-M(1BB)#6	100.9(4)
Si(6A)-O(10B)-Na(1B)#7	124.5(6)	M(2,4)-O(14B)-M(1BB)#6	98.0(7)
Si(4)#7-O(10B)-Na(1B)#7	104.3(5)	Si(6A)-O(14B)-M(1BA)#6	121.3(6)
Si(6A)-O(10B)-Na(5)#43	120.2(5)	M(2,5)-O(14B)-M(1BA)#6	100.9(4)
Si(4)#7-O(10B)-Na(5)#43	84.5(4)	M(2,4)-O(14B)-M(1BA)#6	98.0(7)

M(1BB)#6-O(14B)-M(1BA)#6	0.0(2)	M(1BA)#6-O(17B)-Na(3B)#7	89.3(4)
Si(6A)-O(14B)-Na(4B)#6	103.5(5)	Si(5A)-O(17B)-Na(3A)#7	100.3(6)
M(2,5)-O(14B)-Na(4B)#6	103.8(4)	M(2,4)-O(17B)-Na(3A)#7	103.8(10)
M(2,4)-O(14B)-Na(4B)#6	122.2(9)	M(2,5)-O(17B)-Na(3A)#7	123.0(5)
M(1BB)#6-O(14B)-Na(4B)#6	92.9(3)	M(1BB)#6-O(17B)-Na(3A)#7	89.3(4)
M(1BA)#6-O(14B)-Na(4B)#6	92.9(3)	M(1BA)#6-O(17B)-Na(3A)#7	89.3(4)
Si(6A)-O(14B)-NA4A#6	103.5(5)	Na(3B)#7-O(17B)-Na(3A)#7	0.0(4)
M(2,5)-O(14B)-NA4A#6	103.8(4)	Si(5A)-O(18)-Si(5)#6	135.2(4)
M(2,4)-O(14B)-NA4A#6	122.2(9)	Si(5A)-O(18)-Na(5)	118.7(5)
M(1BB)#6-O(14B)-NA4A#6	92.9(3)	Si(5)#6-O(18)-Na(5)	103.9(5)
M(1BA)#6-O(14B)-NA4A#6	92.9(3)	Si(5A)-O(18)-Na(1B)#38	92.5(5)
Na(4B)#6-O(14B)-NA4A#6	0.00(8)	Si(5)#6-O(18)-Na(1B)#38	92.0(5)
Si(6)#29-O(15)-Si(6A)	138.9(5)	Na(5)-O(18)-Na(1B)#38	101.4(5)
Si(6)#29-O(15)-Na(2)#28	99.3(5)	Si(5A)-O(18)-Na(1A)#38	85.4(5)
Si(6A)-O(15)-Na(2)#28	96.1(5)	Si(5)#6-O(18)-Na(1A)#38	85.6(6)
Si(5A)#5-O(16)-Zr#26	146.8(6)	Na(5)-O(18)-Na(1A)#38	119.1(9)
Si(5A)#5-O(16)-Na(1A)#37	107.8(6)	Na(1B)#38-O(18)-Na(1A)#38	17.8(6)
Zr#26-O(16)-Na(1A)#37	102.4(6)	M(3)#25-O(19)-M(2,5)	146.2(4)
Si(5A)#5-O(16)-Na(1B)#37	100.9(6)	M(3)#25-O(19)-Na(4B)#6	101.7(4)
Zr#26-O(16)-Na(1B)#37	102.5(6)	M(2,5)-O(19)-Na(4B)#6	97.6(4)
Na(1A)#37-O(16)-Na(1B)#37	21.1(8)	M(3)#25-O(19)-NA4A#6	101.7(4)
Si(5A)#5-O(16)-Na(3A)#1	83.8(6)	M(2,5)-O(19)-NA4A#6	97.6(4)
Zr#26-O(16)-Na(3A)#1	102.2(5)	Na(4B)#6-O(19)-NA4A#6	0.00(10)
Na(1A)#37-O(16)-Na(3A)#1	103.6(12)	M(3)#25-O(19)-NA4A#5	101.4(4)
Na(1B)#37-O(16)-Na(3A)#1	123.5(5)	M(2,5)-O(19)-NA4A#5	97.3(4)
Si(5A)#5-O(16)-Na(3B)#1	83.8(6)	Na(4B)#6-O(19)-NA4A#5	110.5(2)
Zr#26-O(16)-Na(3B)#1	102.2(5)	NA4A#6-O(19)-NA4A#5	110.5(2)
Na(1A)#37-O(16)-Na(3B)#1	103.6(12)	M(3)#25-O(19)-Na(4B)#5	101.4(4)
Na(1B)#37-O(16)-Na(3B)#1	123.5(5)	M(2,5)-O(19)-Na(4B)#5	97.3(4)
Na(3A)#1-O(16)-Na(3B)#1	0.0(5)	Na(4B)#6-O(19)-Na(4B)#5	110.5(2)
Si(5)-O(16B)-Zr#46	140.9(6)	NA4A#6-O(19)-Na(4B)#5	110.5(2)
Si(5)-O(16B)-Na(1A)#37	107.2(7)	NA4A#5-O(19)-Na(4B)#5	0.00(10)
Zr#46-O(16B)-Na(1A)#37	103.2(6)	Si(7)-O(20)-Na(5)#14	127.2(3)
Si(5)-O(16B)-Na(1B)#37	99.4(5)	Si(7)-O(20)-Na(5)#15	127.2(3)
Zr#46-O(16B)-Na(1B)#37	100.6(5)	Na(5)#14-O(20)-Na(5)#15	87.2(4)
Na(1A)#37-O(16B)-Na(1B)#37	20.7(8)	Si(7)-O(20)-Na(5)#16	127.2(3)
Si(5)-O(16B)-Na(3A)#13	88.0(5)	Na(5)#14-O(20)-Na(5)#16	87.2(4)
Zr#46-O(16B)-Na(3A)#13	105.5(4)	Na(5)#15-O(20)-Na(5)#16	87.2(4)
Na(1A)#37-O(16B)-Na(3A)#13	107.7(11)	X(1B)#7-X(1A)-X(1B)#3	117.8(4)
Na(1B)#37-O(16B)-Na(3A)#13	127.5(6)	X(1B)#7-X(1A)-X(1B)	117.8(4)
Si(5)-O(16B)-Na(3B)#13	88.0(5)	X(1B)#3-X(1A)-X(1B)	117.8(4)
Zr#46-O(16B)-Na(3B)#13	105.5(4)	X(1B)#7-X(1A)-X(1C)	81.4(9)
Na(1A)#37-O(16B)-Na(3B)#13	107.7(11)	X(1B)#3-X(1A)-X(1C)	81.4(9)
Na(1B)#37-O(16B)-Na(3B)#13	127.5(6)	X(1B)-X(1A)-X(1C)	81.4(9)
Na(3A)#13-O(16B)-Na(3B)#13	0.0(7)	X(1B)#7-X(1A)-Na(4B)#11	61.4(12)
Si(5)-O(17)-M(2,4)#5	126.7(9)	X(1B)#3-X(1A)-Na(4B)#11	58.8(12)
Si(5)-O(17)-M(2,5)#5	117.5(6)	X(1B)-X(1A)-Na(4B)#11	139.2(10)
M(2,4)#5-O(17)-M(2,5)#5	18.6(8)	X(1C)-X(1A)-Na(4B)#11	57.9(2)
Si(5)-O(17)-M(1AA)#7	123.4(6)	X(1B)#7-X(1A)-NA4A#11	61.4(12)
M(2,4)#5-O(17)-M(1AA)#7	102.7(7)	X(1B)#3-X(1A)-NA4A#11	58.8(12)
M(2,5)#5-O(17)-M(1AA)#7	100.6(4)	X(1B)-X(1A)-NA4A#11	139.2(10)
Si(5)-O(17)-Na(3B)#13	101.4(5)	X(1C)-X(1A)-NA4A#11	57.9(2)
M(2,4)#5-O(17)-Na(3B)#13	106.2(10)	Na(4B)#11-X(1A)-NA4A#11	0.00(9)
M(2,5)#5-O(17)-Na(3B)#13	124.7(5)	X(1B)#7-X(1A)-Na(4B)#10	58.8(12)
M(1AA)#7-O(17)-Na(3B)#13	87.3(4)	X(1B)#3-X(1A)-Na(4B)#10	139.2(10)
Si(5)-O(17)-Na(3A)#13	101.4(5)	X(1B)-X(1A)-Na(4B)#10	61.4(12)
M(2,4)#5-O(17)-Na(3A)#13	106.2(10)	X(1C)-X(1A)-Na(4B)#10	57.9(2)
M(2,5)#5-O(17)-Na(3A)#13	124.7(5)	Na(4B)#11-X(1A)-Na(4B)#10	94.4(3)
M(1AA)#7-O(17)-Na(3A)#13	87.3(4)	NA4A#11-X(1A)-Na(4B)#10	94.4(3)
Na(3B)#13-O(17)-Na(3A)#13	0.0(7)	X(1B)#7-X(1A)-NA4A#10	58.8(12)
Si(5A)-O(17B)-M(2,4)	130.3(10)	X(1B)#3-X(1A)-NA4A#10	139.2(10)
Si(5A)-O(17B)-M(2,5)	119.4(6)	X(1B)-X(1A)-NA4A#10	61.4(12)
M(2,4)-O(17B)-M(2,5)	19.2(8)	X(1C)-X(1A)-NA4A#10	57.9(2)
Si(5A)-O(17B)-M(1BB)#6	119.8(6)	Na(4B)#11-X(1A)-NA4A#10	94.4(3)
M(2,4)-O(17B)-M(1BB)#6	103.3(8)	NA4A#11-X(1A)-NA4A#10	94.4(3)
M(2,5)-O(17B)-M(1BB)#6	102.4(5)	Na(4B)#10-X(1A)-NA4A#10	0.00(9)
Si(5A)-O(17B)-M(1BA)#6	119.8(6)	X(1B)#7-X(1A)-NA4A#9	139.2(10)
M(2,4)-O(17B)-M(1BA)#6	103.3(8)	X(1B)#3-X(1A)-NA4A#9	61.4(12)
M(2,5)-O(17B)-M(1BA)#6	102.4(5)	X(1B)-X(1A)-NA4A#9	58.8(12)
M(1BB)#6-O(17B)-M(1BA)#6	0.0(2)	X(1C)-X(1A)-NA4A#9	57.9(2)
Si(5A)-O(17B)-Na(3B)#7	100.3(6)	Na(4B)#11-X(1A)-NA4A#9	94.4(3)
M(2,4)-O(17B)-Na(3B)#7	103.8(10)	NA4A#11-X(1A)-NA4A#9	94.4(3)
M(2,5)-O(17B)-Na(3B)#7	123.0(5)	Na(4B)#10-X(1A)-NA4A#9	94.4(3)
M(1BB)#6-O(17B)-Na(3B)#7	89.3(4)	NA4A#10-X(1A)-NA4A#9	94.4(3)

X (1B) #7 - X (1A) - Na (4B) #9	139.2 (10)	Na (3B) #1 - X (2A) - Na (3B) #12	107.0 (3)
X (1B) #3 - X (1A) - Na (4B) #9	61.4 (12)	Na (3A) #1 - X (2A) - Na (3B) #12	107.0 (3)
X (1B) - X (1A) - Na (4B) #9	58.8 (12)	X (2B) - X (2A) - Na (3A) #12	68.2 (3)
X (1C) - X (1A) - Na (4B) #9	57.9 (2)	X (2C) - X (2A) - Na (3A) #12	111.8 (3)
Na (4B) #11 - X (1A) - Na (4B) #9	94.4 (3)	Na (3B) #1 - X (2A) - Na (3A) #12	107.0 (3)
NA4A#11 - X (1A) - Na (4B) #9	94.4 (3)	Na (3A) #1 - X (2A) - Na (3A) #12	107.0 (3)
Na (4B) #10 - X (1A) - Na (4B) #9	94.4 (3)	Na (3B) #12 - X (2A) - Na (3A) #12	0.0 (6)
NA4A#10 - X (1A) - Na (4B) #9	94.4 (3)	X (2B) - X (2A) - Na (3B) #13	68.2 (3)
NA4A#9 - X (1A) - Na (4B) #9	0.00 (9)	X (2C) - X (2A) - Na (3B) #13	111.8 (3)
X (1B) #7 - X (1A) - Na (2) #47	116.5 (12)	Na (3B) #1 - X (2A) - Na (3B) #13	107.0 (3)
X (1B) #3 - X (1A) - Na (2) #47	119.5 (12)	Na (3A) #1 - X (2A) - Na (3B) #13	107.0 (3)
X (1B) - X (1A) - Na (2) #47	50.1 (8)	Na (3B) #12 - X (2A) - Na (3B) #13	107.0 (3)
X (1C) - X (1A) - Na (2) #47	131.4 (2)	Na (3A) #12 - X (2A) - Na (3B) #13	107.0 (3)
Na (4B) #11 - X (1A) - Na (2) #47	170.7 (4)	X (2B) - X (2A) - Na (3A) #13	68.2 (3)
NA4A#11 - X (1A) - Na (2) #47	170.7 (4)	X (2C) - X (2A) - Na (3A) #13	111.8 (3)
Na (4B) #10 - X (1A) - Na (2) #47	91.7 (2)	Na (3B) #1 - X (2A) - Na (3A) #13	107.0 (3)
NA4A#10 - X (1A) - Na (2) #47	91.7 (2)	Na (3A) #1 - X (2A) - Na (3A) #13	107.0 (3)
NA4A#9 - X (1A) - Na (2) #47	92.2 (2)	Na (3B) #12 - X (2A) - Na (3A) #13	107.0 (3)
Na (4B) #9 - X (1A) - Na (2) #47	92.2 (2)	Na (3A) #12 - X (2A) - Na (3A) #13	107.0 (3)
X (1B) #7 - X (1A) - Na (2) #48	119.5 (12)	Na (3B) #13 - X (2A) - Na (3A) #13	0.0 (5)
X (1B) #3 - X (1A) - Na (2) #48	50.1 (8)	X (2B) - X (2A) - Na (1A) #48	142.4 (4)
X (1B) - X (1A) - Na (2) #48	116.5 (12)	X (2C) - X (2A) - Na (1A) #48	37.6 (3)
X (1C) - X (1A) - Na (2) #48	131.4 (2)	Na (3B) #1 - X (2A) - Na (1A) #48	149.4 (5)
Na (4B) #11 - X (1A) - Na (2) #48	92.2 (2)	Na (3A) #1 - X (2A) - Na (1A) #48	149.4 (5)
NA4A#11 - X (1A) - Na (2) #48	92.2 (2)	Na (3B) #12 - X (2A) - Na (1A) #48	91.6 (4)
Na (4B) #10 - X (1A) - Na (2) #48	170.7 (4)	Na (3A) #12 - X (2A) - Na (1A) #48	91.6 (44)
NA4A#10 - X (1A) - Na (2) #48	170.7 (4)	Na (3B) #13 - X (2A) - Na (1A) #48	89.7 (4)
NA4A#9 - X (1A) - Na (2) #48	91.7 (2)	Na (3A) #13 - X (2A) - Na (1A) #48	89.7 (4)
Na (4B) #9 - X (1A) - Na (2) #48	91.7 (2)	X (2B) - X (2A) - Na (1A) #37	142.4 (4)
Na (2) #47 - X (1A) - Na (2) #48	81.0 (3)	X (2C) - X (2A) - Na (1A) #37	37.6 (3)
X (1A) - X (1B) - Na (4B) #9	96.2 (13)	Na (3B) #1 - X (2A) - Na (1A) #37	89.7 (4)
X (1A) - X (1B) - NA4A#9	96.2 (13)	Na (3A) #1 - X (2A) - Na (1A) #37	89.7 (4)
Na (4B) #9 - X (1B) - NA4A#9	0.00 (10)	Na (3B) #12 - X (2A) - Na (1A) #37	149.4 (5)
X (1A) - X (1B) - Na (4B) #10	93.4 (13)	Na (3A) #12 - X (2A) - Na (1A) #37	149.4 (5)
Na (4B) #9 - X (1B) - Na (4B) #10	114.9 (5)	Na (3B) #13 - X (2A) - Na (1A) #37	91.6 (4)
NA4A#9 - X (1B) - Na (4B) #10	114.9 (5)	Na (3A) #13 - X (2A) - Na (1A) #37	91.6 (4)
X (1A) - X (1B) - NA4A#10	93.4 (13)	Na (1A) #48 - X (2A) - Na (1A) #37	63.8 (5)
Na (4B) #9 - X (1B) - NA4A#10	114.9 (5)	X (2B) - X (2A) - Na (1A) #47	142.4 (3)
NA4A#9 - X (1B) - NA4A#10	114.9 (5)	X (2C) - X (2A) - Na (1A) #47	37.6 (3)
Na (4B) #10 - X (1B) - NA4A#10	0.00 (10)	Na (3B) #1 - X (2A) - Na (1A) #47	91.6 (4)
X (1A) - X (1B) - Na (2) #47	109.9 (10)	Na (3A) #1 - X (2A) - Na (1A) #47	91.6 (4)
Na (4B) #9 - X (1B) - Na (2) #47	119.5 (9)	Na (3B) #12 - X (2A) - Na (1A) #47	89.7 (4)
NA4A#9 - X (1B) - Na (2) #47	119.5 (9)	Na (3A) #12 - X (2A) - Na (1A) #47	89.7 (4)
Na (4B) #10 - X (1B) - Na (2) #47	116.7 (10)	Na (3B) #13 - X (2A) - Na (1A) #47	149.4 (5)
NA4A#10 - X (1B) - Na (2) #47	116.7 (10)	Na (3A) #13 - X (2A) - Na (1A) #47	149.4 (5)
X (1A) - X (1C) - Na (4B) #11	91 (2)	Na (1A) #48 - X (2A) - Na (1A) #47	63.8 (5)
X (1A) - X (1C) - NA4A#11	91 (2)	Na (1A) #37 - X (2A) - Na (1A) #47	63.8 (5)
Na (4B) #11 - X (1C) - NA4A#11	0.00 (9)	X (2D) - X (2B) - X (2A)	180.00 (2)
X (1A) - X (1C) - Na (4B) #10	91 (2)	X (2D) - X (2B) - Na (3B) #1	91.1 (13)
Na (4B) #11 - X (1C) - Na (4B) #10	119.9 (2)	X (2A) - X (2B) - Na (3B) #1	88.9 (13)
NA4A#11 - X (1C) - Na (4B) #10	119.9 (2)	X (2D) - X (2B) - Na (3A) #1	91.1 (13)
X (1A) - X (1C) - NA4A#10	91 (2)	X (2A) - X (2B) - Na (3A) #1	88.9 (13)
Na (4B) #11 - X (1C) - NA4A#10	119.9 (2)	Na (3B) #1 - X (2B) - Na (3A) #1	0.0 (5)
NA4A#11 - X (1C) - NA4A#10	119.9 (2)	X (2D) - X (2B) - Na (3B) #12	91.1 (13)
Na (4B) #10 - X (1C) - NA4A#10	0.00 (11)	X (2A) - X (2B) - Na (3B) #12	88.9 (13)
X (1A) - X (1C) - NA4A#9	91 (2)	Na (3B) #1 - X (2B) - Na (3B) #12	119.96 (10)
Na (4B) #11 - X (1C) - NA4A#9	119.9 (2)	Na (3A) #1 - X (2B) - Na (3B) #12	119.96 (10)
NA4A#11 - X (1C) - NA4A#9	119.9 (2)	X (2D) - X (2B) - Na (3A) #12	91.1 (13)
Na (4B) #10 - X (1C) - NA4A#9	119.9 (2)	X (2A) - X (2B) - Na (3A) #12	88.9 (13)
NA4A#10 - X (1C) - NA4A#9	119.9 (2)	Na (3B) #1 - X (2B) - Na (3A) #12	119.96 (10)
X (1A) - X (1C) - Na (4B) #9	91 (2)	Na (3A) #1 - X (2B) - Na (3A) #12	119.96 (10)
Na (4B) #11 - X (1C) - Na (4B) #9	119.9 (2)	Na (3B) #12 - X (2B) - Na (3A) #12	0.0 (6)
NA4A#11 - X (1C) - Na (4B) #9	119.9 (2)	X (2D) - X (2B) - Na (3A) #13	91.1 (13)
Na (4B) #10 - X (1C) - Na (4B) #9	119.9 (2)	X (2A) - X (2B) - Na (3A) #13	88.9 (13)
NA4A#10 - X (1C) - Na (4B) #9	119.9 (2)	Na (3B) #1 - X (2B) - Na (3A) #13	119.96 (10)
NA4A#9 - X (1C) - Na (4B) #9	0.00 (10)	Na (3A) #1 - X (2B) - Na (3A) #13	119.96 (10)
X (2B) - X (2A) - X (2C)	180.00 (2)	Na (3B) #12 - X (2B) - Na (3A) #13	119.96 (10)
X (2B) - X (2A) - Na (3B) #1	68.2 (3)	Na (3A) #12 - X (2B) - Na (3A) #13	119.96 (10)
X (2C) - X (2A) - Na (3B) #1	111.8 (3)	X (2D) - X (2B) - Na (3B) #13	91.1 (13)
X (2B) - X (2A) - Na (3A) #1	68.2 (3)	X (2A) - X (2B) - Na (3B) #13	88.9 (13)
X (2C) - X (2A) - Na (3A) #1	111.8 (3)	Na (3B) #1 - X (2B) - Na (3B) #13	119.96 (10)
Na (3B) #1 - X (2A) - Na (3A) #1	0.0 (5)	Na (3A) #1 - X (2B) - Na (3B) #13	119.96 (10)
X (2B) - X (2A) - Na (3B) #12	68.2 (3)	Na (3B) #12 - X (2B) - Na (3B) #13	119.96 (10)
X (2C) - X (2A) - Na (3B) #12	111.8 (3)	Na (3A) #12 - X (2B) - Na (3B) #13	119.96 (10)

Na (3A) #13-X (2B) -Na (3B) #13	0.0 (5)	Na (1A) #47-X (2C) -Na (3A) #12	91.8 (5)
X (2A) -X (2C) -Na (1A) #48	122.7 (8)	Na (1B) #48-X (2C) -Na (3A) #12	93.9 (3)
X (2A) -X (2C) -Na (1A) #37	122.7 (8)	Na (1B) #37-X (2C) -Na (3A) #12	171.1 (10)
Na (1A) #48-X (2C) -Na (1A) #37	93.6 (11)	Na (1B) #47-X (2C) -Na (3A) #12	92.7 (3)
X (2A) -X (2C) -Na (1A) #47	122.7 (8)	Na (3B) #1-X (2C) -Na (3A) #12	79.9 (7)
Na (1A) #48-X (2C) -Na (1A) #47	93.6 (11)	Na (3A) #1-X (2C) -Na (3A) #12	79.9 (7)
Na (1A) #37-X (2C) -Na (1A) #47	93.6 (11)	Na (3B) #12-X (2C) -Na (3A) #12	0.0 (5)
X (2A) -X (2C) -Na (1B) #48	123.3 (5)	X (2A) -X (2C) -Na (3A) #13	47.9 (4)
Na (1A) #48-X (2C) -Na (1B) #48	0.9 (5)	Na (1A) #48-X (2C) -Na (3A) #13	91.8 (5)
Na (1A) #37-X (2C) -Na (1B) #48	93.7 (10)	Na (1A) #37-X (2C) -Na (3A) #13	93.9 (5)
Na (1A) #47-X (2C) -Na (1B) #48	92.7 (10)	Na (1A) #47-X (2C) -Na (3A) #13	170.4 (12)
X (2A) -X (2C) -Na (1B) #37	123.3 (5)	Na (1B) #48-X (2C) -Na (3A) #13	92.7 (3)
Na (1A) #48-X (2C) -Na (1B) #37	92.7 (10)	Na (1B) #37-X (2C) -Na (3A) #13	93.9 (3)
Na (1A) #37-X (2C) -Na (1B) #37	0.9 (6)	Na (1B) #47-X (2C) -Na (3A) #13	171.1 (10)
Na (1A) #47-X (2C) -Na (1B) #37	93.7 (10)	Na (3B) #1-X (2C) -Na (3A) #13	79.9 (7)
Na (1B) #48-X (2C) -Na (1B) #37	92.8 (7)	Na (3A) #1-X (2C) -Na (3A) #13	79.9 (7)
X (2A) -X (2C) -Na (1B) #47	123.3 (5)	Na (3B) #12-X (2C) -Na (3A) #13	79.9 (7)
Na (1A) #48-X (2C) -Na (1B) #47	93.7 (10)	Na (3A) #12-X (2C) -Na (3A) #13	79.9 (7)
Na (1A) #37-X (2C) -Na (1B) #47	92.7 (10)	X (2B) -X (2D) -Si (7A)	180.00 (2)
Na (1A) #47-X (2C) -Na (1B) #47	0.9 (5)	X (2B) -X (2D) -Na (3B) #12	68.1 (13)
Na (1B) #48-X (2C) -Na (1B) #47	92.8 (7)	Si (7A) -X (2D) -Na (3B) #12	111.9 (13)
Na (1B) #37-X (2C) -Na (1B) #47	92.8 (7)	X (2B) -X (2D) -Na (3A) #12	68.1 (13)
X (2A) -X (2C) -Na (3B) #1	47.9 (4)	Si (7A) -X (2D) -Na (3A) #12	111.9 (13)
Na (1A) #48-X (2C) -Na (3B) #1	170.4 (12)	Na (3B) #12-X (2D) -Na (3A) #12	0.0 (6)
Na (1A) #37-X (2C) -Na (3B) #1	91.8 (5)	X (2B) -X (2D) -Na (3B) #1	68.1 (13)
Na (1A) #47-X (2C) -Na (3B) #1	93.9 (5)	Si (7A) -X (2D) -Na (3B) #1	111.9 (13)
Na (1B) #48-X (2C) -Na (3B) #1	171.1 (10)	Na (3B) #12-X (2D) -Na (3B) #1	106.9 (14)
Na (1B) #37-X (2C) -Na (3B) #1	92.7 (3)	Na (3A) #12-X (2D) -Na (3B) #1	106.9 (14)
Na (1B) #47-X (2C) -Na (3B) #1	93.9 (3)		
X (2A) -X (2C) -Na (3A) #1	47.9 (4)	Si (7A) -X (2D) -Na (3A) #1	111.9 (13)
Na (1A) #48-X (2C) -Na (3A) #1	170.4 (12)	Na (3B) #12-X (2D) -Na (3A) #1	106.9 (14)
Na (1A) #37-X (2C) -Na (3A) #1	91.8 (5)	Na (3A) #12-X (2D) -Na (3A) #1	106.9 (14)
Na (1A) #47-X (2C) -Na (3A) #1	93.9 (5)	Na (3B) #1-X (2D) -Na (3A) #1	0.0 (5)
Na (1B) #48-X (2C) -Na (3A) #1	171.1 (10)	X (2B) -X (2D) -Na (3B) #13	68.1 (13)
Na (1B) #37-X (2C) -Na (3A) #1	92.7 (3)	Si (7A) -X (2D) -Na (3B) #13	111.9 (13)
Na (1B) #47-X (2C) -Na (3A) #1	93.9 (3)	Na (3B) #12-X (2D) -Na (3B) #13	106.9 (14)
Na (3B) #1-X (2C) -Na (3A) #1	0.0 (4)	Na (3A) #12-X (2D) -Na (3B) #13	106.9 (14)
X (2A) -X (2C) -Na (3B) #12	47.9 (4)	Na (3B) #1-X (2D) -Na (3B) #13	106.9 (14)
Na (1A) #48-X (2C) -Na (3B) #12	93.9 (5)	Na (3A) #1-X (2D) -Na (3B) #13	106.9 (14)
Na (1A) #37-X (2C) -Na (3B) #12	170.4 (12)	X (2B) -X (2D) -Na (3A) #13	68.1 (13)
Na (1A) #47-X (2C) -Na (3B) #12	91.8 (5)	Si (7A) -X (2D) -Na (3A) #13	111.9 (13)
Na (1B) #48-X (2C) -Na (3B) #12	93.9 (3)	Na (3B) #12-X (2D) -Na (3A) #13	106.9 (14)
Na (1B) #37-X (2C) -Na (3B) #12	171.1 (10)	Na (3A) #12-X (2D) -Na (3A) #13	106.9 (14)
Na (1B) #47-X (2C) -Na (3B) #12	92.7 (3)	Na (3B) #1-X (2D) -Na (3A) #13	106.9 (14)
Na (3B) #1-X (2C) -Na (3B) #12	79.9 (7)	Na (3A) #1-X (2D) -Na (3A) #13	106.9 (14)
Na (3A) #1-X (2C) -Na (3B) #12	79.9 (7)	Na (3B) #13-X (2D) -Na (3A) #13	0.0 (5)
X (2A) -X (2C) -Na (3A) #12	47.9 (4)		
Na (1A) #48-X (2C) -Na (3A) #12	93.9 (5)		
Na (1A) #37-X (2C) -Na (3A) #12	170.4 (12)		

Symmetry transformations used to generate equivalent atoms:

#1 -x+y+1, -x+1, z	#2 -y+1, x-y, z	#3 -x+y, -x, z
#4 x, y-1, z	#5 -y+1, x-y+1, z	#6 -x+y, -x+1, z
#7 -y, x-y, z	#8 -x+y+1, -x+2, z	#9 -y+2/3, x-y+1/3, z-2/3
#10 -x+y-1/3, -x+1/3, z-2/3	#11 x-1/3, y-2/3, z-2/3	
#12 -y, x-y-1, z	#13 x-1, y, z	#14 -x+y-1/3, -x+1/3, z+1/3
#15 -y+2/3, x-y+1/3, z+1/3	#16 x-1/3, y-2/3, z+1/3	
#17 x+2/3, y+1/3, z+1/3	#18 -x+y+5/3, -x+4/3, z+1/3	
#19 -x+y+2/3, -x+1/3, z+1/3	#20 -y+2/3, x-y-2/3, z+1/3	
#21 x+2/3, y-2/3, z+1/3	#22 x+1/3, y-1/3, z-1/3	
#23 x+1/3, y+2/3, z-1/3	#24 x+1, y, z	#25 x+1/3, y+2/3, z+2/3
#26 -x+y+1/3, -x+2/3, z+2/3	#27 -y+1/3, x-y+2/3, z+2/3	
#28 x-1/3, y+1/3, z+1/3	#29 x, y+1, z	#30 -y+1/3, x-y+2/3, z-1/3
#31 -x+y-2/3, -x+2/3, z-1/3	#32 -x+y+1, -x+1, z-1	
#33 x+2/3, y+1/3, z-2/3	#34 x-1/3, y+1/3, z-2/3	
#35 -y+1, x-y, z-1	#36 -x+y+2/3, -x+4/3, z-2/3	
#37 -y+1/3, x-y-1/3, z-1/3	#38 x-2/3, y+2/3, z-1/3	

#39 $-x+y+2/3, -x+4/3, z+1/3$ #40 $x+1/3, y-1/3, z+2/3$
 #41 $-y+4/3, x-y-1/3, z-1/3$ #42 $-x+y+4/3, -x+2/3, z-1/3$
 #43 $-y+2/3, x-y+4/3, z+1/3$ #44 $-y+4/3, x-y+2/3, z-1/3$
 #45 $-y+1, x-y, z+1$ #46 $x-2/3, y-1/3, z+2/3$
 #47 $x-2/3, y-1/3, z-1/3$ #48 $-x+y+1/3, -x+2/3, z-1/3$

Anisotropic displacement parameters ($\text{\AA}^2 \times 10^3$) for Oneillite.

The anisotropic displacement factor exponent takes the form:

$$-2 \pi i^2 [h^2 a^*^2 U_{11} + \dots + 2 h k a^* b^* U_{12}]$$

	U11	U22	U33	U23	U13	U12
M(1A)	14 (1)	13 (1)	9 (1)	1 (1)	-1 (1)	5 (1)
M(1B)	22 (1)	14 (1)	14 (1)	-2 (1)	0 (1)	8 (1)
M(2, 5)	12 (1)	11 (1)	8 (1)	0 (1)	-1 (1)	1 (1)
M(3)	10 (1)	10 (1)	16 (1)	0	0	5 (1)
Si (7)	9 (2)	9 (2)	11 (2)	0	0	5 (1)
Na (1A)	13 (9)	39 (14)	57 (14)	35 (13)	-21 (10)	-9 (6)
Na (1B)	37 (7)	19 (5)	25 (4)	5 (5)	-6 (6)	7 (4)
Na (2)	39 (4)	37 (4)	42 (3)	14 (4)	-22 (4)	8 (3)
Na (3)	39 (4)	50 (4)	63 (3)	-23 (4)	14 (4)	-7 (2)
Na (4)	10 (1)	10 (1)	16 (1)	-1 (1)	2 (1)	2 (1)
Na (5)	54 (5)	69 (6)	56 (3)	-27 (4)	0 (4)	41 (4)
Zr	9 (1)	8 (1)	7 (1)	0 (1)	0 (1)	3 (1)
Si (1)	13 (2)	14 (2)	10 (1)	3 (1)	2 (1)	9 (1)
Si (2)	15 (2)	14 (2)	12 (1)	1 (1)	0 (1)	9 (2)
Si (3)	13 (2)	9 (2)	13 (1)	1 (2)	-2 (2)	5 (1)
Si (4)	12 (2)	10 (2)	15 (1)	1 (2)	-3 (2)	3 (1)
Si (5)	12 (1)	13 (1)	7 (2)	-1 (1)	2 (1)	7 (1)
Si (5A)	9 (1)	11 (1)	15 (2)	-1 (1)	-2 (1)	7 (1)
Si (6)	13 (1)	9 (1)	11 (2)	-3 (1)	-5 (1)	6 (1)
Si (6A)	9 (1)	13 (1)	8 (2)	1 (1)	-1 (1)	6 (1)
O (1)	19 (4)	16 (4)	32 (3)	-3 (4)	-2 (4)	13 (3)
O (2)	24 (5)	23 (5)	16 (3)	7 (3)	-4 (3)	11 (4)
O (3)	31 (6)	28 (5)	18 (3)	0 (4)	5 (4)	19 (5)
O (4)	7 (4)	10 (4)	39 (4)	-7 (3)	-4 (3)	1 (3)
O (5)	19 (5)	37 (6)	30 (4)	16 (4)	-6 (3)	13 (5)
O (6)	31 (6)	30 (5)	13 (3)	-4 (3)	1 (3)	20 (5)
O (7)	17 (4)	32 (5)	7 (3)	3 (3)	0 (3)	17 (4)
O (7B)	12 (4)	12 (4)	32 (6)	-4 (4)	2 (3)	4 (3)
O (8)	18 (4)	28 (5)	13 (3)	7 (4)	-6 (4)	8 (4)
O (9)	23 (4)	29 (5)	34 (3)	10 (5)	10 (5)	18 (3)
O (10B)	8 (3)	25 (4)	12 (3)	9 (3)	5 (3)	11 (3)
O (11)	19 (4)	22 (5)	17 (3)	1 (4)	-2 (4)	11 (3)
O (12)	19 (4)	24 (4)	32 (4)	2 (3)	2 (3)	16 (4)
O (13)	19 (4)	20 (4)	18 (5)	-3 (3)	-9 (3)	0 (4)
O (13B)	14 (4)	24 (5)	35 (6)	-3 (4)	-8 (4)	9 (3)
O (14)	19 (4)	10 (3)	10 (4)	-3 (3)	-1 (3)	5 (3)
O (14B)	24 (4)	20 (4)	11 (4)	0 (3)	-4 (3)	15 (3)
O (15)	18 (4)	14 (4)	19 (3)	-2 (4)	3 (4)	3 (3)
O (16)	11 (4)	13 (4)	31 (6)	-14 (4)	-1 (3)	3 (3)
O (16B)	17 (4)	11 (4)	15 (4)	-2 (3)	-9 (3)	0 (3)
O (17)	24 (4)	21 (4)	7 (3)	3 (3)	4 (3)	10 (4)
O (18)	13 (4)	9 (4)	22 (3)	-4 (4)	0 (4)	3 (3)
O (19)	24 (5)	28 (5)	31 (4)	-8 (5)	-11 (5)	19 (3)
O (20)	15 (4)	15 (4)	11 (5)	0	0	8 (2)

ONEILLITE: A NEW Ca-DEFICIENT AND REE-RICH MEMBER OF THE EUDIALYTE GROUP FROM MONT SAINT-HILAIRE, QUEBEC, CANADA

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ABSTRACT

Oneillite, ideally $\text{Na}_{15}\text{Ca}_3\text{Mn}_3\text{Fe}_3\text{Zr}_3\text{Nb}(\text{Si}_{25}\text{O}_{73})(\text{O},\text{OH},\text{H}_2\text{O})_3(\text{OH},\text{Cl})_2$, is a new member of the eudialyte group from Mont Saint-Hilaire, Quebec. It occurs as yellowish brown anhedral grains up to 2 mm in diameter. Associated minerals include albite, sodalite, pyrite and aegirine. It is transparent to translucent, with a vitreous luster and white streak. It is brittle, with a hardness of 5–6 (Mohs scale). It has no cleavage, no parting, and an uneven fracture. It is uniaxial negative with ω 1.6450(3) and ε 1.6406(3). It is trigonal, space group $R\bar{3}$, a 14.192(1) and c 29.983(3) Å, V 5230(1) Å³, $Z = 3$. The strongest X-ray powder-diffraction lines [d in Å (I)(hkl)] are: 11.348(44.2)(101), 7.100(33)(110), 6.021(36.1)(021), 5.683(30.8)(202), 4.291(36.5)(205), 3.389(42.9)($\bar{1}41$), 3.199(30.8)(208), 3.150(34.9)($\bar{2}37$), 2.964(100)($\bar{3}45$) and 2.844(89.1)(404). The infrared spectrum is given. An electron-microprobe analysis of the grain of oneillite chosen for refinement of the structure gave Na_2O 13.60, K_2O 0.28, CaO 2.90, MnO 7.70, FeO 3.00, SrO 0.09, Al_2O_3 0.18, Y_2O_3 0.78, La_2O_3 2.88, Ce_2O_3 5.14, Pr_2O_3 0.48, Nd_2O_3 1.45, Gd_2O_3 0.20, SiO_2 43.46, ZrO_2 11.44, HfO_2 0.16, Nb_2O_5 3.48, Ta_2O_5 0.14, Cl 0.76, H_2O 0.63, $\text{O} \equiv \text{Cl}$ 0.17, total 98.58 wt.%. The proportion of H_2O was calculated from stoichiometry on the basis of the crystal-structure analysis. The empirical formula of oneillite, based on 78.09 anions as determined in the crystal-structure analysis is: $(\text{Na}_{14.37}\text{REE}_{1.53}\text{K}_{0.20}\text{Sr}_{0.03})_{\Sigma 16.13}(\text{Ca}_{1.77}\text{REE}_{0.59}\text{Na}_{0.66})_{\Sigma 3.02}(\text{Mn}_{2.76}\text{Y}_{0.24})_{\Sigma 3.00}(\text{Fe}_{1.43}\text{Mn}_{0.96}\text{Zr}_{0.25})_{\Sigma 2.64}(\text{Zr}_{2.93}\text{Nb}_{0.05}\text{Hf}_{0.03})_{\Sigma 3.01}(\text{Nb}_{0.85}\text{Ta}_{0.02})_{\Sigma 0.87}(\text{Si}_{24.77}\text{Al}_{0.12})_{\Sigma 24.89}\text{O}_{73}(\text{O},\text{OH},\text{H}_2\text{O})_{3.09}(\text{OH}_{1.27}\text{Cl}_{0.73})_{\Sigma 2.00}$. $D_{\text{meas.}} = 3.20(3)$, $D_{\text{calc.}} = 3.22(3)$ g/cm³. Compared to the eudialyte structure, the unique feature in oneillite is the ordering of Mn and Ca + REE at the M1 site, which lowers the symmetry from $R\bar{3}m$ to $R\bar{3}$. Determination of the crystal structure was dependent on the recognition of a merohedral twin. The REE content is the highest hitherto reported, with REE occupying almost 50% of Na(4).

Keywords: oneillite, eudialyte, new mineral species, crystal structure, merohedral twin, Mont Saint-Hilaire, Quebec, Canada.

SOMMAIRE

L'oneillite, dont la composition idéale est $\text{Na}_{15}\text{Ca}_3\text{Mn}_3\text{Fe}_3\text{Zr}_3\text{Nb}(\text{Si}_{25}\text{O}_{73})(\text{O},\text{OH},\text{H}_2\text{O})_3(\text{OH},\text{Cl})_2$, est une nouvelle espèce minérale, membre du groupe de l'eudialyte, provenant du mont Saint-Hilaire, Québec. On la trouve en cristaux brun jaunâtre atteignant un diamètre de 2 mm. Lui sont associés albite, sodalite, pyrite et aegyrine. Elle est transparente à translucide, avec un éclat vitreux et une rayure blanche. Elle est cassante, et sa dureté est 5–6 (échelle de Mohs). Elle est sans clivage, sans plan de séparation, et se casse avec une fracture inégale. L'oneillite est uniaxe négative, avec ω 1.6450(3) et ε 1.6406(3). Elle est trigonale, groupe spatial $R\bar{3}$, a 14.192(1) et c 29.983(3) Å, V 5230(1) Å³, $Z = 3$. Les raies les plus intenses du spectre de diffraction X, méthode des poudres [d en Å (I)(hkl)] sont: 11.348(44.2)(101), 7.100(33)(110), 6.021(36.1)(021), 5.683(30.8)(202), 4.291(36.5)(205), 3.389(42.9)($\bar{1}41$), 3.199(30.8)(208), 3.150(34.9)($\bar{2}37$), 2.964(100)($\bar{3}45$) et 2.844(89.1)(404). Nous présentons le spectre d'absorption dans l'infra-rouge. Une analyse à la microsonde électronique du cristal choisi pour l'ébauche de la structure cristalline a donné (en %, poids) Na_2O 13.60, K_2O 0.28, CaO 2.90, MnO 7.70, FeO 3.00, SrO 0.09, Al_2O_3 0.18, Y_2O_3 0.78, La_2O_3 2.88, Ce_2O_3 5.14, Pr_2O_3 0.48, Nd_2O_3 1.45, Gd_2O_3 0.20, SiO_2 43.46, ZrO_2 11.44, HfO_2 0.16, Nb_2O_5 3.48, Ta_2O_5 0.14, Cl 0.76, H_2O 0.63, $\text{O} \equiv \text{Cl}$ 0.17, pour un total de 98.58. La proportion de H_2O a été calculée à partir de la stoechiométrie, telle que confirmée par l'analyse de la structure cristalline. La formule empirique de l'oneillite, sur une base de 78.09 anions aussi déterminée par l'analyse de la structure, est: $(\text{Na}_{14.37}\text{TR}_{1.53}\text{K}_{0.20}\text{Sr}_{0.03})_{\Sigma 16.13}(\text{Ca}_{1.77}\text{TR}_{0.59}\text{Na}_{0.66})_{\Sigma 3.02}(\text{Mn}_{2.76}\text{Y}_{0.24})_{\Sigma 3.00}(\text{Fe}_{1.43}\text{Mn}_{0.96}\text{Zr}_{0.25})_{\Sigma 2.64}(\text{Zr}_{2.93}\text{Nb}_{0.05}\text{Hf}_{0.03})_{\Sigma 3.01}(\text{Nb}_{0.85}\text{Ta}_{0.02})_{\Sigma 0.87}(\text{Si}_{24.77}\text{Al}_{0.12})_{\Sigma 24.89}\text{O}_{73}(\text{O},\text{OH},\text{H}_2\text{O})_{3.09}(\text{OH}_{1.27}\text{Cl}_{0.73})_{\Sigma 2.00}$. $D_{\text{mes.}} = 3.20(3)$, $D_{\text{calc.}} = 3.22(3)$ g/cm³. Par rapport à la structure de l'eudialyte, l'aspect distinctif de l'oneillite est la mise en ordre de Mn et de Ca + TR (terres rares) sur le site M1. C'est ce qui abaisse la symétrie de $R\bar{3}m$ à $R\bar{3}$. L'ébauche de la structure cristalline

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