





TABLE 2. Continued

	AT65	AT66	AT67	AT68	AT70	AT71 NMR1	AT71 NMR7	AT71 NMR9	AT71 NMR10	AT72	AT73 SHM1	AT73 SHM2	AT73 SHM3	AT75 SHW1	AT75 SHW2	AT76
Na	0.522	0.209	0.228	0.202	0.210	0.265	0.315	0.438	0.494	0.846	0.603	0.587	0.639	0.547	0.531	0.663
K	---	0.000	0.001	---	---	0.002	---	0.002	0.002	0.004	---	---	---	---	---	---
Ca	0.067	0.721	0.770	0.774	---	0.654	0.614	0.497	0.436	0.109	0.057	0.060	0.056	0.199	0.272	0.017
Vacancy	0.411	0.070	0.001	0.024	0.790	0.079	0.071	0.063	0.068	0.041	0.340	0.353	0.305	0.254	0.197	0.320
Sum X	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Li	1.527	1.793	0.050	0.081	---	1.608	1.523	1.341	1.222	---	1.034	1.015	1.006	1.339	1.373	0.421
Mg	---	---	2.820	2.737	1.440	0.014	0.002	0.010	0.012	2.454	---	---	---	---	---	---
Ti <sup>4+</sup>	---	0.005	0.030	0.035	---	0.002	0.001	0.001	0.001	0.050	---	0.006	0.038	0.024	0.002	0.022
V <sup>3+</sup>	---	0.003	0.057	0.125	---	---	---	---	---	---	---	---	---	---	---	---
Cr <sup>3+</sup>	---	0.002	0.036	0.022	---	---	---	---	---	---	---	---	---	---	---	---
Mn <sup>2+</sup>	0.021	0.023	0.001	---	---	0.052	0.197	0.404	0.513	---	0.051	0.087	0.172	0.043	0.060	0.739
Fe <sup>2+</sup>	---	0.016	0.003	---	0.130	0.049	0.020	0.036	0.033	0.021	0.001	0.004	0.307	0.032	0.005	0.003
Cu <sup>2+</sup>	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zn <sup>2+</sup>	---	0.002	0.002	---	---	---	---	---	---	---	---	---	---	---	---	---
Al	1.454	1.156	---	---	1.420	1.275	1.257	1.208	1.219	0.475	1.914	1.888	1.477	1.565	1.562	1.815
Sum Y	3.002	3.000	3.000	3.000	2.990	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.003	3.002	3.000
Mg	---	---	0.484	0.400	---	---	---	---	---	0.486	---	---	---	---	---	---
Al	6.000	6.000	5.516	5.600	6.000	6.000	6.000	6.000	6.000	5.514	6.000	6.000	6.000	6.000	6.000	6.000
Sum Z	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000
B	---	---	---	---	---	---	---	---	---	---	0.598	0.592	0.300	0.225	0.270	---
Al	---	0.027	0.389	0.488	---	---	---	---	---	---	---	---	---	---	---	---
Si	6.103	5.973	5.611	5.512	6.000	5.939	5.930	5.924	5.908	5.908	5.402	5.408	5.700	5.775	5.730	5.716
Sum T	6.103	6.000	6.000	6.000	6.000	5.939	5.930	5.924	5.908	5.908	6.000	6.000	6.000	6.000	6.000	5.716
B	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000
OH	3.521	3.179	2.957	3.192	4.000	3.181	3.024	2.982	3.153	3.925	3.833	3.833	3.937	3.582	3.581	3.624
F	0.479	0.821	1.043	0.808	0.000	0.819	0.976	1.018	0.847	0.075	0.167	0.167	0.063	0.418	0.414	0.376
Sum W	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	3.995	4.000