

**Mario Tribaudino, Piera Benna, and Emiliano Bruno****Structural variations induced by thermal treatment in lead feldspar (PbAl<sub>2</sub>Si<sub>2</sub>O<sub>8</sub>) 159**TABLE 3. T-O bond lengths (Å) and Q<sub>od</sub> value for lead feldspars

	PbFL1h	PbFL16h	PbFL64h	PbFH136h
T1(0)-OA(1)	1.636(6)	1.665(13)	1.654(12)	1.688(9)
T1(0)-OB(0)	1.632(7)	1.609(15)	1.637(12)	1.649(8)
T1(0)-OC(0)	1.615(7)	1.622(11)	1.619(10)	1.643(5)
T1(0)-OD(0)	1.626(8)	1.626(13)	1.635(13)	1.664(7)
Mean	1.627	1.631	1.636	1.661
T1(z)-OA(1)	1.760(7)	1.725(14)	1.754(12)	1.717(9)
T1(z)-OB(z)	1.722(7)	1.698(15)	1.698(12)	1.698(8)
T1(z)-OC(z)	1.727(7)	1.728(11)	1.724(10)	1.712(5)
T1(z)-OD(z)	1.773(8)	1.747(13)	1.737(12)	1.722(8)
Mean	1.746	1.725	1.728	1.712
T2(0)-OA(2)	1.751(6)	1.735(11)	1.741(9)	1.715(5)
T2(0)-OB(0)	1.723(7)	1.725(15)	1.699(12)	1.689(9)
T2(0)-OC(0)	1.708(8)	1.704(14)	1.731(12)	1.706(7)
T2(0)-OD(0)	1.739(7)	1.728(12)	1.717(13)	1.704(8)
Mean	1.730	1.723	1.722	1.704
T2(z)-OA(2)	1.646(6)	1.642(11)	1.637(8)	1.655(5)
T2(z)-OB(z)	1.601(7)	1.621(15)	1.622(12)	1.636(8)
T2(z)-OC(z)	1.612(7)	1.602(13)	1.603(12)	1.622(7)
T2(z)-OD(z)	1.620(7)	1.625(12)	1.643(13)	1.650(8)
Mean	1.620	1.623	1.626	1.641
Q <sub>od</sub>	0.85	0.72	0.70	0.42

TABLE 4. Pb-O bond lengths (Å) for lead feldspars (non-split model)

PbFH*	PbFL	PbFL1h	PbFL16h	PbFL64h	PbFH136h
Pb - OA(1) 2.729(7)	2.753(5)	2.763(9)	2.771(12)	2.744(11)	2.743(5)
Pb - OA(1) 2.729(7)	2.657(5)	2.659(8)	2.660(12)	2.673(11)	2.691(5)
Pb - OA(2) 2.508(11)	2.465(5)	2.457(8)	2.481(9)	2.485(9)	2.491(4)
Pb - OB(0) 2.918(8)	2.806(5)	2.808(8)	2.830(11)	2.836(11)	2.880(6)
Pb - OB(z) 2.918(8)	3.121(5)	3.113(8)	3.078(11)	3.050(12)	3.017(6)
Pb - OC(0) 3.143(7)	3.346(5)	3.342(7)	3.289(11)	3.283(10)	3.230(5)
Pb - OC(z) 3.143(7)	3.000(5)	3.009(8)	3.028(11)	3.030(10)	3.083(5)
Pb - OD(0) 2.785(7)	2.784(6)	2.787(8)	2.802(12)	2.803(12)	2.783(7)
Pb - OD(z) 2.785(7)	2.592(6)	2.601(7)	2.666(12)	2.659(11)	2.698(7)

Note: PbFL and PbFH : Benna et al. (1996). \*The refinement was performed according to s.g. C2/m.