

**TABLE 3.** Chemical composition of mica inclusions of the margarite-ephesite series by electron microprobe analysis.<sup>a,b</sup>

Oxides (wt.%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10
Na <sub>2</sub> O	3.95	3.74	3.44	3.97	4.67	3.97	3.92	3.23	4.72	3.29
MgO	0.53	0.36	0.52	0.54	0.67	0.56	0.65	0.54	0.35	0.51
Al <sub>2</sub> O <sub>3</sub>	47.35	45.21	48.19	46.29	45.69	47.39	45.94	45.60	37.13	47.15
SiO <sub>2</sub>	35.91	37.04	35.62	36.34	38.75	35.61	38.80	36.72	48.57	36.19
K <sub>2</sub> O	0.40	0.73	0.66	0.42	0.64	0.26	0.94	1.20	2.32	0.55
CaO	7.09	5.89	7.52	6.55	5.48	7.10	6.21	6.64	0.27	7.17
Fe <sub>2</sub> O <sub>3</sub>	bdl	0.23	0.27	0.32	0.38	0.33	0.44	0.42	0.38	bdl
Total	95.41	93.19	96.21	94.43	96.28	95.23	96.90	94.34	93.73	95.00
Cations	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10
Na	0.50	0.48	0.43	0.51	0.58	0.51	0.49	0.41	0.59	0.42
Mg	0.05	0.04	0.05	0.05	0.06	0.05	0.06	0.05	0.03	0.05
Al	3.65	3.55	3.69	3.60	3.47	3.66	3.48	3.55	2.83	3.64
Si	2.35	2.47	2.31	2.40	2.50	2.33	2.49	2.43	3.14	2.37
K	0.03	0.06	0.05	0.04	0.05	0.02	0.08	0.10	0.19	0.05
Ca	0.50	0.42	0.52	0.46	0.38	0.50	0.43	0.47	0.02	0.50
Fe <sup>3+</sup>	-	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	-
Total	7.08	7.03	7.08	7.07	7.07	7.09	7.04	7.04	6.83	7.04

<sup>a</sup> The structural formula of mica of the margarite-ephesite series is based on 11 atoms of oxygen.

<sup>b</sup> bdl = below detection limit