

CHEMICAL DATA

Electron microprobe (Cameca SX-100), WDS; acceleration voltage =15 kV; beam current = 10 nA, beam diameter = 5 μm , Number of analyses = 6.

Table 1. Chemical data (in wt%) for glecklerite.

Constituent	Mean	Range	Stand. Dev.	Probe Standard
Na	22.67	22.12-23.36	0.47	Jadeite ($\text{NaSiSi}_2\text{O}_6$)
C _{calc}	24.50			Added in ideal value
O _{calc}	48.96			Added in ideal value
H _{calc}	3.09			Added in ideal value
Total	99.22			

Note 1): There is insufficient material for the direct measurement of C or H content with the Elemental Combustion System, as we did for lazaraskeite (Yang et al. 2022a) or lianbinite (Yang et al. 2023b).

2): The six analysis data points were obtained from two different crystals because they were easily damaged by the electron beam, even with the moving stage and large electron beam size.

3): A trace amount of Mg was detected by EDS, but it was below the detection limits ($<3\sigma$) by WDS.

The empirical formula, calculated based on 2 C *apfu* (from the structure determination) is: $\text{Na}_{0.97}(\text{C}_2\text{H}_3\text{O}_3)$.

The simplified formula is:



The ideal formula is:

$\text{Na}(\text{C}_2\text{H}_3\text{O}_3)$, which requires (wt.%) Na 23.35, C 24.50, O 48.96, and H 3.09. Total 100 wt.%.