Carobbiite

Crystal Data: Cubic. Point Group: \(4/m \overline{3} 2/m\). As minute cubic crystals, intermixed with other minerals.

Physical Properties: Cleavage: \{001\}. Hardness = n.d. \(D(\text{meas.}) = \text{n.d.}\) \(D(\text{calc.}) = [2.53]\) Soluble in \(\text{H}_2\text{O}\).


Cell Data: Space Group: \(Fm\overline{3}m\) (synthetic). \(a = 5.40\) \(Z = 4\)

X-ray Powder Pattern: Synthetic.\n2.675 (100), 1.8913 (45), 3.088 (21), 1.5443 (10), 1.1959 (7), 1.6125 (6), 1.3370 (4)

Chemistry: Vesuvius, Italy; spectrographic analysis showed K and a little Na; microchemical analysis showed F and a little Cl.

Occurrence: In stalactites in cavities in lava.

Association: Halite, mercallite, hieratite.

Distribution: On Vesuvius, Campania, Italy.

Name: For Professor Guido Carobbi (1900–1983), Italian geologist, Institute of Mineralogy and Geochemistry, University of Florence, Florence, Italy, who collected the first specimens.

Type Material: University of Florence, Florence, Italy, 1972/l.