Cyanochroite  

Crystal Data: Monoclinic. Point Group: 2/m. Small euhedral crystals are tabular on {001}; typically forms crystalline crusts intermixed with other soluble compounds.

Physical Properties: Cleavage: On {201}, perfect. Hardness = n.d. D(meas.) = 2.22 D(calc.) = 2.23 Soluble in H₂O.


Cell Data: Space Group: P2₁/c. a = 6.159 b = 12.131 c = 9.086 β = 104°27′ Z = 2

X-ray Powder Pattern: Synthetic.
3.673 (100), 4.179 (90), 4.057 (79), 2.975 (65), 2.377 (45), 2.816 (42), 2.993 (39)

Chemistry: (1) Analyses of natural material have not been made; identification depends on correspondence of other properties with those of synthetic material.

Mineral Group: Picromerite group.

Occurrence: A rare product of fumarolic action (Vesuvius, Italy).

Association: n.d.

Distribution: From Vesuvius, Campania, Italy. At Laurium, Greece, in slag.

Name: From the Greek for blue and color, in reference to its appearance in white light.

Type Material: Natural History Museum, Paris, France, 175.358.