Oregonite

Crystal Data: Hexagonal. Point Group: n.d. As fine-grained pebbles, having a smooth brown crust; polygonal grains, to 0.5 mm.


Optical Properties: Opaque. Color: In polished section, white. Anisotropism: Weak. R: (400) 41.7, (420) 43.0, (440) 44.3, (460) 45.3, (480) 46.1, (500) 46.7, (520) 47.2, (540) 48.0, (560) 48.9, (580) 50.1, (600) 51.3, (620) 52.8, (640) 54.2, (660) 55.4, (680) 56.4, (700) 57.2

Cell Data: Space Group: n.d. a = 6.083 c = 7.130 Z = 3

X-ray Powder Pattern: Josephine Creek, Oregon, USA. 2.314 (vs), 2.120 (vs), 1.991 (s), 1.789 (s), 1.757 (s), 1.739 (s), 3.571 (m)

Chemistry: Composition established by X-ray fluorescence, analysis not given.

Occurrence: As water-rolled pebbles in clinochlore and serpentine (Oregon, USA).

Association: Copper, bornite, chalcopyrite, molybdenite, chromite (Oregon, USA); pyrrhotite, magnetite (Cyprus).

Distribution: From Josephine Creek, west of Kerby, Josephine Co., Oregon, USA [TL]. In the Alexo mine, near Timmins, Ontario, Canada. From near Skouriotissa, Cyprus. In the Ijim massif, west Sayan, Russia.

Name: For the state of Oregon, USA.

Type Material: n.d.