Hypercinnabar


Physical Properties: Fracture: Subconchoidal to uneven. Hardness = 3 VHN = 51.5 (8.0)
(25 g load). D(meas.) = 7.43 D(calc.) = 7.54


R₁–R₂: n.d.

Cell Data: Space Group: n.d. a = 7.01(3) c = 14.13(7) Z = 12

3.08 (100), 1.980 (100), 1.892 (100), 2.80 (90), 3.43 (80), 3.70 (70), 2.97 (60)

Chemistry: Composition established by similarity of X-ray pattern with synthetic material.

Polymorphism & Series: Trimorphous with cinnabar and metacinnabar.

Occurrence: Intimately associated with metacinnabar, which it generally resembles.

Association: Metacinnabar.

Distribution: In the USA, from the Mt. Diablo mine, Contra Costa Co., California [TL]; at the White Caps mine, Manhattan district, Nye Co., Nevada.

Name: In allusion to the fact that the stability field of the species extends to higher temperatures than that of cinnabar or metacinnabar.

Type Material: n.d.