Crystal Data: Monoclinic. *Point Group:* n.d. Commonly as crystals, in spherulitic aggregates, to 1 mm; may be powdery.

Hardness = n.d. D(meas.) = 3.09 D(calc.) = 3.153**Physical Properties:**

Optical Properties: Transparent. Color: Colorless, white, pale rose with traces of cobalt. Luster: Silky.

Optical Class: Biaxial (+). Orientation: Elongation negative, extinction angle $= 25^{\circ}$. $\alpha = 1.634$ $\beta = n.d.$ $\gamma = 1.642 (\gamma')$ 2V(meas.) = n.d.

Cell Data: Space Group: n.d. a = 16.736(5) b = 9.483(3) c = 10.840(5) $\beta = 97^{\circ}15(20)'$ Z = 4

X-ray Powder Pattern: Intem mine, Morocco. 2.97(10), 3.24(9), 2.82(9), 5.08(4), 3.68(4), 9.42(3), 6.85(3)

Chemistry:

	(1)	(2)
As_2O_5	55.5	56.45
MgO	4.4	4.95
CaO	28.2	27.54
H_2O	11.5	11.06
Total	99.6	100.00

(1) Salsigne mine, 15 km north of Carcassone, Aude, France; artificially dehydrated picropharmacolite, corresponding to $\operatorname{Ca}_{4.16}\operatorname{Mg}_{0.90}\operatorname{H}_2(\operatorname{AsO}_4)_4 \bullet 5.28\operatorname{H}_2O.$ (2) $\operatorname{Ca}_4\operatorname{MgH}_2(\operatorname{AsO}_4)_4 \bullet 4\operatorname{H}_2O.$

Occurrence: Probably a dehydration product of picropharmacolite in hydrothermal ore deposits.

Association: Sainfeldite, erythrite (Irhtem mine, Morocco).

Distribution: From the Irhtem (Ightem) mine, Bou Azzer district, Anti-Atlas Mountains, Morocco. In Germany, in the Bauhaus district, Richelsdorf Mountains, Hesse.

Name: For its occurrence in the Irhtem (Ightem) mine, Morocco.

Type Material: National School of Mines, Paris, France.

References: (1) Pierrot, R. and H.-J. Schubnel (1972) L'irhtemite, un nouvel arséniate hydraté de calcium et magnésium. Bull. Minéral., 92, 365–370 (in French with English abs.). (2) (1974) Amer. Mineral., 59, 209 (abs. ref. 1).