Crystal Data: Orthorhombic. *Point Group: mm2*. As rounded crystals to 7 μ m in fluid and melt inclusions.

Physical Properties: Cleavage: n.d. Tenacity: n.d. Fracture: n.d. Hardness = n.d. D(meas.) = n.d. D(calc.) = 1.949 Highly soluble in water.

Optical Properties: [Transparent]. *Color*: Colorless. *Streak*: n.d. *Luster*: n.d. *Optical Class*: [Biaxial]. $n(\text{meas.}) = \sim 1.498$ n(calc.) = n.d.

Cell Data: *Space Group*: *Aba*2. a = 11.304(1) b = 10.963(1) c = 9.337(1)

X-ray Powder Pattern: Il Prado vein, Island of Elba, Italy. 3.554 (100), 5.481 (84), 3.391 (64), 2.826 (45), 3.329 (37), 3.329 (37), 2.212 (31)

Chemistry: Identity confirmed by concurrence of Raman spectra with synthetic rubidium pentaborate tetrahydrate (RbB₅O₈•4H₂O).

Occurrence: As daughter minerals in melt and fluid inclusions.

Association: Sassolite, ramanite-(Cs), santite, topaz, boron-rich silicate glass, boric acid-saturated liquid.

Distribution: From the Il Prado vein (also known as Prato alla Valle), 400 m south of the cemetery of the village of San Pietro, Campo, Island of Elba, Italy [TL]. In hambergite from the Mika pegmatite, Rangkul pegmatite field, eastern Pamirs, Tajikistan. Likely more common in boron-rich pegmatites.

Name: Honors Indian physicist, Sir Chandrasekhara Venkata Raman (1888-1970) recipient of a Nobel Prize in Physics in 1930 for discovering the effect that bears his name and is the basis for Raman spectroscopy, an important method for the identification of minerals. A suffix indicates the dominant rare earth element.

Type Material: Museum, Mining Academy Freiberg, Germany (81616).

References: (1) Thomas, R., P. Davidson, and A. Hahn (2008) Ramanite-(Cs) and ramanite-(Rb): New cesium and rubidium pentaborate tetrahydrate minerals identified with Raman spectroscopy. Amer. Mineral., 93, 1034-1042.