

**Crystal Data:** Tetragonal. *Point Group:* 422. Crystals are prismatic or dipyramidal, showing dominant {101}, with {110}, {103}, {211}, to 1 mm; typically in druses.

**Physical Properties:** *Tenacity:* Brittle. Hardness = 3.5 D(meas.) = ~7.0  
D(calc.) = 7.31

**Optical Properties:** Semitransparent. *Color:* Bright yellow. *Streak:* Very pale yellow.  
*Luster:* Adamantine.

*Optical Class:* Uniaxial (-).  $\omega = 2.40$  (Li)  $\epsilon = 2.30$  (Li)

**Cell Data:** *Space Group:* I4<sub>1</sub>22.  $a = 11.084$   $c = 12.634$   $Z = 10$

**X-ray Powder Pattern:** Near Potts, Nevada. USA.  
3.062 (10), 4.618 (9), 3.210 (4), 2.476 (4), 4.168 (3), 2.252 (3), 2.184 (3)

Chemistry:	(1)	(2)
V <sub>2</sub> O <sub>5</sub>	26.6	26.63
Bi <sub>2</sub> O <sub>3</sub>	34.0	34.11
PbO	32.4	32.67
H <sub>2</sub> O	6.71	6.59
Total	99.7	100.00

(1) Near Potts, Nevada, USA; by electron microprobe, average of three analyses, H<sub>2</sub>O on a separate sample by the Penfield method; corresponds to H<sub>1.02</sub>Pb<sub>0.99</sub>Bi<sub>1.00</sub>(VO<sub>4</sub>)<sub>1.99</sub>•2H<sub>2</sub>O.

(2) HPbBi(VO<sub>4</sub>)<sub>2</sub>•2H<sub>2</sub>O.

**Occurrence:** Found in the oxidation zone of a tungsten-bearing tactite.

**Association:** Scheelite, juncoite, bismutite, clinobisvanite, duhamelite, cerussite, vanadinite.

**Distribution:** Found at the Linka mine, Spencer Hot Springs district, Lander Co., about 30 km northwest of Potts, and northeast of Chalk Mountain, Clan Alpine Mountains, Churchill Co., Nevada, USA.

**Name:** For Potts, Nevada, USA, nearby the type locality.

**Type Material:** The Natural History Museum, London, England.

**References:** (1) Williams, S.A. (1988) Pottsite, a new vanadate from Lander Co., Nevada. *Mineral. Mag.*, 52, 389–390. (2) (1989) *Amer. Mineral.*, 74, 503 (abs. ref. 1).