

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:* I4₁22. $a = 11.084$ $c = 12.634$ $Z = 10$

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 ₂ O ₅	26.6	26.63
Bi ₂ O ₃	34.0	34.11
PbO	32.4	32.67
H ₂ O	6.71	6.59
Total	99.7	100.00

(1) Near Potts, Nevada, USA; by electron microprobe, average of three analyses, H₂O on a separate sample by the Penfield method; corresponds to H_{1.02}Pb_{0.99}Bi_{1.00}(VO₄)_{1.99}•2H₂O.

(2) HPbBi(VO₄)₂•2H₂O.

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).