

**Dewitite**  $\text{Ag}_z\text{Tl}_{10-x-z}\text{Pb}_{2x}\text{Sb}_{42-x-y}\text{As}_y\text{S}_{68}$  ( $0.09 \leq x \leq 2.13$ ,  $13.99 \leq y \leq 19.79$ ,  $0.10 \leq z \leq 0.50$ )

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**Crystal Data:** Triclinic. *Point Group:*  $\bar{1}$ .

**Physical Properties:** *Cleavage:* *Tenacity:* *Fracture:*

Hardness = D(meas.) = D(calc.) =

**Optical Properties:** *Color:* *Streak:* *Luster:*

*Optical Class:*

**Cell Data:** *Space Group:*  $P\bar{1}$ .  $a = 8.626(2)$   $b = 16.351(3)$   $c = 21.892(4)$   $\alpha = 74.96(3)^\circ$   
 $\beta = 83.59(3)^\circ$   $\gamma = 88.91(3)^\circ$

**X-Ray Diffraction Pattern:** Jas Roux, La Chapelle-en-Valgaudemar, Hautes-Alpes, Provence-Alpes-Côte d'Azur, France.

3.561 (100), 2.156 (63), 2.813 (62), 2.872 (61), 3.948 (50), 3.590 (50), 3.341 (48), 2.732 (48)

**Chemistry:**

**Polymorphism & Series:**

**Mineral Group:** Chabournéite group.

**Occurrence:**

**Association:**

**Distribution** From Jas Roux, La Chapelle-en-Valgaudemar, Hautes-Alpes, Provence-Alpes-Côte d'Azur, France.

**Name:**

**Type Material:** Natural History Museum, Vienna, Austria (O1787).

**References:** (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2021) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 63. New minerals and nomenclature modifications approved in 2019. *Mineral. Mag.*, 85, 891.