

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

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.