Lopatkaite \( \text{Pb}_5\text{Sb}_3\text{AsS}_{11} \)

Crystal Data: Monoclinic. \( \textit{Point Group: 2/m} \).

Physical Properties:

Optical Properties:

Cell Data: \( \textit{Space Group: P2}_1\textit{c} \). \( a = 8.0806(6) \) \( b = 23.360(2) \) \( c = 21.488(2) \) \( \beta = 100.709(1)° \)

X-Ray Diffraction Pattern: Madoc, Ontario, Canada.
3.712 (100), 2.780 (46), 3.728 (42), 2.804 (42), 2.779 (40), 3.722 (38), 3.296 (36), 3.207 (36)

Chemistry:

Mineral Group: Homeotype of boulangerite.

Occurrence:

Association:

Distribution: From Madoc, Ontario, Canada.

Name:

Type Material: Department of Materials Engineering and Physics, University of Salzburg, Salzburg, Austria (15008).