Thalliumpharmacosiderite

\[ \text{TlFe}_4[(\text{AsO}_4)_3(\text{OH})_4] \cdot 4\text{H}_2\text{O} \]

Crystal Data: Cubic.  
\textit{Point Group}: \overline{4} 3m.

Physical Properties:  
\textit{Cleavage}:  
\textit{Tenacity}:  
\textit{Fracture}:  
Hardness = \text{D(meas.)} = \text{D(calc.)} = 

Optical Properties:  
\textit{Color}:  
\textit{Streak}:  
\textit{Luster}:  
\textit{Optical Class}:

Cell Data:  
\textit{Space Group}: \text{P\overline{4} 3m}.  \quad a = 7.987(8) \quad Z = 1

X-ray Powder Pattern:  
Crven Dol Canyon, Rozsdan region, Macedonia.
2.832 (100), 2.525 (87), 1.784 (73), 3.266 (67), 2.414 (60), 2.309 (60), 2.665 (53)

Chemistry:

Polymorphism & Series:

Mineral Group: Pharmacosiderite group, pharmacosiderite supergroup.

Occurrence:

Association:

Distribution: From Crven Dol Canyon, Rozsdan region, Macedonia [TL].

Name: Indicates the thallium analog of pharmacosiderite.

Type Material: Museum Victoria, Melbourne, Australia (M52852 and M52853) and the Type Collection, Natural History Museum, London, England (BM 2013,151).