Gmalinite \( \text{K}_6\text{Fe}^{2+}24\text{S}_{27} \)

Crystal Data: Cubic.  \textit{Point Group}: 4\text{m} \tilde{3} 2\text{m}.

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

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

Optical Class:

Cell Data: \textit{Space Group}:  \text{Pm\tilde{3} m}.  \textit{a} = 10.34863(8)

1.831 (100), 10.357 (91), 5.979 (59), 2.990 (58), 3.123 (56), 2.376 (50), 7.323 (33), 1.057 (14)

Chemistry:

Polymorphism & Series:

Mineral Group: The potassium analogue of zoharite.

Occurrence:

Association:

Distribution  From Halamish wadi, southern part of the Hatrurim Complex, Negev Desert, Israel.

Name:

Type Material:  A.E. Fersman Mineralogical Museum, RAS, Moscow, Russia (5297/1).