**Gurzhiite**

\[
\text{Al(UO}_2\text{(SO}_4\text{)}_2\text{F} \cdot 10\text{H}_2\text{O}}
\]

**Crystal Data**: Triclinic.  \textit{Point Group}: \(\overline{1}\).

**Physical Properties**: \textit{Cleavage}: Tenacity: Fracture:

\[
\text{Hardness = } \quad \text{D(meas.) = } \quad \text{D(calc.) = }
\]

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

**Cell Data**: \textit{Space Group}: \(P\overline{1}\).  \(a = 7.193(2)\)  \(b = 11.760(2)\)  \(c = 11.792(2)\)  \(\alpha = 67.20(3)^\circ\)

\(\beta = 107.76(3)^\circ\)  \(\gamma = 89.99(3)^\circ\)


10.24 (100), 5.11 (54), 5.40 (14), 3.405 (11), 3.065 (11), 6.76 (10), 3. 618 (8)

**Chemistry**:

**Polymorphism & Series**:

**Mineral Group**: A lower hydrate of straussmannite, with a different structure.

**Occurrence**:

**Association**:

**Distribution**: From the 495 m level of Mine 2, Bykogorskoe U deposit, Mt. Byk, Stavropol Krai, northern Caucasus, Russia.

**Name**:

**Type Material**: A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (5756/1).