Fluorpyromorphite \( \text{Pb}_5(\text{PO}_4)_3\text{F} \)


**Physical Properties: **Cleavage: Tenacity: Fracture:
Hardness = D(meas.) = D(calc.) =

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

**Optical Class:**

**Cell Data:** Space Group: \( P6_3/m \).  \( a = 9.779(5) \)  \( c = 7.241(9) \)

**X-Ray Diffraction Pattern:** Sukhovyazskoe deposit, Mt. Sukhovyaz, Ufaley District, Chelyabinsk Oblast, southern Urals, Russia.
2.931 (100), 1.838 (49), 3.337 (30), 3.189 (28), 4.236 (25), 2.806 (20), 1.534 (20)

**Chemistry:**

**Polymorphism & Series:**

**Mineral Group:** Apatite supergroup.

**Occurrence:**

**Association:**

**Distribution:** From the Sukhovyazskoe deposit, southern slope of Mt. Sukhovyaz, Ufaley District, ~2.5 km southwest of Verkhniy Ufaley, Chelyabinsk Oblast, southern Urals, Russia.

**Name:**

**Type Material:** A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (5819/1).