Fluorpyromorphite $Pb_5(PO_4)_3F$

Crystal Data: Hexagonal. *Point Group*: 6/*m*.

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

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

Cell Data: *Space Group: P*6_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).

References: (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2022) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 67. Eur. J. Mineral., 34, 361.