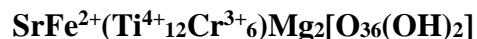


Botuobinskite

Crystal Data: Hexagonal. *Point Group:* $\bar{3}$.

Physical Properties: *Cleavage:* *Tenacity:* *Fracture:*

Hardness = D(meas.) = D(calc.) =

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

Optical Class:

Cell Data: *Space Group:* $R\bar{3}$. $a = 10.3644(8)$ $c = 20.659(1)$

X-Ray Diffraction Pattern: Internatsionalnaya kimberlite pipe, Mirny kimberlite field, Siberian craton, Sakha Republic, Russia.

3.388 (100), 1.437 (91), 2.132 (89), 1.590 (87), 2.836 (75), 2.868 (71), 1.792 (70), 3.040 (65)

Chemistry:

Polymorphism & Series:

Mineral Group: Crichtonite group.

Occurrence: As inclusions in pyrope from a kimberlite pipe.

Association:

Distribution From the Internatsionalnaya kimberlite pipe, Mirny kimberlite field, Siberian craton, Sakha Republic, Russia.

Name:

Type Material: Central Siberian Geological Museum, Sobolev Institute of Geology and Mineralogy, Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russia (VII-99/1).

References: (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2020) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 57. New minerals and nomenclature modifications approved in 2020. *Mineral. Mag.*, 84, 794.