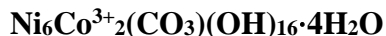


**Kaznakhtite**

**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:*  $R\bar{3}$ .  $a = 3.0514(3)$   $c = 23.179(2)$

**X-Ray Diffraction Pattern:** Kaznakhtinskiy ultrabasic massif, Ust'-Koksinskiy District, Altai Republic, southwest Siberia, Russia.

7.72 (100), 3.863 (24), 2.576 (10), 2.294 (6), 2.630 (4), 1.950 (4), 1.526 (4)

**Chemistry:**

**Polymorphism & Series:**

**Mineral Group:** Hydrotalcite supergroup.

**Occurrence:**

**Association:**

**Distribution:** From the Kaznakhtinskiy ultrabasic massif, ~2 km west of the headwaters of Kyzyl-Uyuk creek, Ust'-Koksinskiy District, Altai Republic, southwest Siberia, Russia.

**Name:**

**Type Material:** A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (5727/1).

**References:** (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2021) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 63. Mineral. Mag., 85, 913.