Khurayyimite $Ca_7Zn_4(Si_2O_7)_2(OH)_{10}\cdot 4H_2O$

Crystal Data: Monoclinic. *Point Group*: 2/*m*.

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

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

Cell Data: *Space Group:* $P2_1/c$. $a = 11.2450(8)$ $b = 9.0963(5)$ $c = 14.068(1)$ $\beta = 113.237(8)°$

X-Ray Diffraction Pattern: Daba-Siwaqa area, ~80 km south of Amman, Jordan.
3.833 (100), 10.311 (81), 2.952 (67), 5.455 (59), 2.661 (57), 2.908 (55), 3.408 (42), 3.215 (34)

Chemistry:

Polymorphism & Series:

Mineral Group:

Occurrence: In pyrometamorphic rock.

Association:

Distribution From the Northern part of the Daba-Siwaqa area, Hatrurim Complex, ~80 km south of Amman, Jordan.

Name:

Type Material: A.E. Fersman Mineralogical Museum, RAS, Moscow, Russia (5298/1).

References: (1) Miyawaki R., F. Hatert, M. Pasero, and S.J. Mills (2019) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 45. New minerals and nomenclature modifications approved in 2019. Mineral. Mag., 83(2), 316.