Phosphocyclite-(Fe) $Fe^{2+}{}_2(P_4O_{12})$

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: C*2/*c*. a = 11.834(4) b = 8.340(2) c = 9.911(2) β = 118.50(4)°

X-Ray Diffraction Pattern: Halamish Wadi, Hatrurim basin, Negev Desert, Israel.
3.012 (100), 6.170 (51), 4.253 (40), 3.201 (30), 3.388 (26), 2.600 (23), 2.398 (21)

Chemistry:

Polymorphism & Series:

Mineral Group: The Fe^{2+} analogue of phosphocyclite-(Ni).

Occurrence:

Association:

Distribution: From Halamish Wadi, Hatrurim basin, Negev Desert, Israel.

Name:

Type Material: A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (5596/1).

References: (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2021) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 60. Eur. J. Mineral., 33, 205.