Jahnsite-(NaMnMn) $NaMn^{2+}(Mn^{2+}, Fe^{3+})_2Fe^{3+}{}_2(PO_4)_4(OH)_2 \cdot 8H_2O$

Crystal Data: Monoclinic. *Point Group*: 2/*m.* Data pending full publication.

Physical Properties: Data pending full publication.

Optical Properties: Data pending full publication.

Cell Data: *Space Group*: *P*2/*a*. *a* = 15.136(1) *b* = 7.2035(3) *c* = 9.9876(6) β = 110.361(5)° Z = 2

X-ray Powder Pattern: Wiperaminga Hill West quarry, South Australia, Australia.
2.851 (100), 9.310 (58), 3.551 (34), 2.608 (27), 5.035 (26), 4.664 (25), 4.940 (24)

Chemistry: Data pending full publication.

Mineral Group: Jahnsite group, jahnsite subgroup; Fe^{3+} > Al in the M(3) structural site.

Occurrence: A low temperature, secondary mineral formed by alteration of primary phosphates in zoned granitic pegmatite.

Association: Data pending full publication.

Distribution: From Wiperaminga Hill West quarry, Boolcoomatta Reserve, Olary Province, South Australia, Australia.

Name: Root name, *Jahnsite*, indicates a member of the group with M(3) = Fe^{3+}; the suffix indicates sequentially the dominant atom in the X, M(1), and M(2) structural positions.

Type Material: South Australian Museum, Adelaide, South Australia, Australia (G34799).

References: (1) Elliott, P. and A.R. Kampf (2019) Jahnsite-(NaMnMn), IMA 2019-051. CNMNC Newsletter No. 52; Mineral. Mag., 83, 891. (2) (2021) Amer. Mineral., 106, 1362-1363 (abs. ref. 1).