

Alterite

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:* C2/c. $a = 16.7696(5)$ $b = 9.4020(2)$ $c = 25.3466(8)$ $\beta = 108.252(1)^\circ$

X-Ray Diffraction Pattern: Near the Cliff Dwellers Lodge, Vermillion Cliffs, Coconino Co., Arizona, USA.
5.848 (100), 3.701 (80), 4.189 (57), 4.127 (50), 4.363 (46), 2.663 (46), 3.898 (39), 4.589 (36)

Chemistry:

Polymorphism & Series:

Mineral Group:

Occurrence:

Association:

Distribution: From near the Cliff Dwellers Lodge, Vermillion Cliffs, Coconino Co., Arizona, USA.

Name:

Type Material: University of Arizona Mineral Museum, Tucson, Arizona, USA (22041) and the RRUFF Project (R180005).

References: (1) Hålenius, U., F. Hatert, M. Pasero, and S.J. Mills (2018) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 45. New minerals and nomenclature modifications approved in 2018. *Mineral. Mag.*, 82(5), 1232.