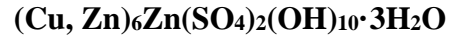


**Hodgesmithite**

**Crystal Data:** Hexagonal. *Point Group:* 3.

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

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

**Cell Data:** *Space Group:* P3.  $a = 8.190(1)$   $c = 7.099(1)$

**X-Ray Diffraction Pattern:** Block 14 Opencut, Broken Hill, New South Wales, Australia.  
7.098 (100), 3.550 (19), 3.173 (19), 2.509 (19), 2.681 (16), 2.138 (6), 5.020 (5)

**Chemistry:**

**Occurrence:**

**Association:**

**Distribution:** From the Block 14 Opencut, Broken Hill, New South Wales, Australia.

**Name:**

**Type Material:** South Australian Museum, Adelaide, Australia (G34298).

**References:** (1) Hålenius, U., F. Hatert, M. Pasero, and S.J. Mills (2016) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 30. New minerals and nomenclature modifications approved in 2016. *Mineral. Mag.*, 80, 411.