Marklite $Cu_5(CO_3)_2(OH)_6 \cdot 6H_2O$

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

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

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

Cell Data: *Space Group*: $P2_1/c$. $a = 12.137(2)$ $b = 6.3832(6)$ $c = 10.579(1)$ $\beta = 112.42(1)°$

X-Ray Diffraction Pattern: Friedrich-Christian mine, Black Forest Mts., Germany. 11.23 (100), 5.61 (41), 5.31 (32), 2.675 (30), 2.241 (27), 1.539 (21), 3.054 (17)

Chemistry:

Occurrence:

Association:

Distribution: From dumps of the Friedrich-Christian mine, ~5 km southwest of Schapbach, Wildschapbach valley, Black Forest Mts. (Schwarzwald), Baden-Würtenberg, Germany.

Name:

Type Material: Mineralogical collections, Eberhard Karls University, Tübingen, Germany (3586 T) and the Natural History Museum of Los Angeles County, Los Angeles, California, USA (65630).

References: (1) Hålenius, U., F. Hatert, M. Pasero, and S.J. Mills (2016) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 29. New minerals and nomenclature modifications approved in 2015 and 2016. Mineral. Mag., 80, 204-205.