

Haitaite-(La)

Crystal Data: Hexagonal. *Point Group:* $\bar{3}$.

Physical Properties: *Cleavage:* *Tenacity:* *Fracture:*

Hardness = D(meas.) = D(calc.) =

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

Optical Class:

Cell Data: *Space Group:* $R\bar{3}$. $a = 10.3678(5)$ $c = 20.839(1)$

X-Ray Diffraction Pattern: Haita town, Miyi County, Sichuan province, China.

2.871 (100), 3.391 (79), 3.241 (65), 2.475 (62), 1.694 (58), 1.436 (55), 3.039 (49), 2.994 (46)

Chemistry:

Polymorphism & Series:

Mineral Group: Crichtonite group.

Occurrence:

Association:

Distribution From Haita town, Miyi County, Sichuan province, China.

Name: For the town where the studied material was collected and a suffix for the dominant rare earth element.

Type Material: Geological Museum of China, Beijing, People's Republic of China (M13859).

References: (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2021) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 52. New minerals and nomenclature modifications approved in 2021. Mineral. Mag., 85(3), 890.