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Crystal Data: Monoclinic. *Point Group:* 2/m. Rarely as pseudohexagonal crystals; as radiating and comb aggregates, and scales and plates, to 1 cm.

Physical Properties: Cleavage: $\{001\}$, perfect. Tenacity: Brittle, with some elasticity. Hardness = 2-3 D(meas.) = 3.11(2) D(calc.) = 3.19

Optical Properties: Transparent in flakes. *Color:* White to silver-white. *Streak:* White. *Luster:* Vitreous, pearly on sheets.

Optical Class: Biaxial (-). Orientation: Z = b. Dispersion: r > v, weak. $\alpha = 1.551(5)$ $\beta = 1.584(2)$ $\gamma = 1.588(2)$ $2V(\text{meas.}) = 46(2)^{\circ}$

Cell Data: Space Group: C2/c. a = 5.362(3) b = 8.86(1) c = 21.42(1) $\beta = 95.77(2)^{\circ}$ Z = 4

X-ray Powder Pattern: Nanping area, China. 2.664 (100), 2.129 (85), 2.122 (16), 2.654 (14), 1.328 (14), 3.329 (6), 3.622 (5)

Chemistry:

	(1)
SiO_2	38.54
Al_2O_3	25.61
FeO	2.44
MnO	0.07
MgO	1.78
$\rm Li_2O$	0.44
Na_2O	0.00
$K_2 \bar{O}$	0.54
$\bar{Rb}_{2}O$	0.25
Cs_2O	25.29
Г Ĩ	1.00
H_2O	3.27
$-\mathbf{\tilde{O}}=\mathbf{F}_2$	0.42
Total	98.81

(1) Nanping area, China; by combined wet chemical analysis and electron microprobe, TiO_2 0.002%, CaO 0.007%; corresponds to $(\text{Cs}_{0.88}\text{K}_{0.06}\text{Rb}_{0.01})_{\Sigma=0.95}(\text{Al}_{1.64}\text{Mg}_{0.22}\text{Fe}_{0.17}\text{Li}_{0.15})_{\Sigma=2.18}$ $(\text{Si}_{3.16}\text{Al}_{0.84})_{\Sigma=4.00}\text{O}_{9.95}[(\text{OH})_{1.79}\text{F}_{0.26}]_{\Sigma=2.05}.$

Polymorphism & Series: 2M₁ polytype.

Mineral Group: Mica group.

Occurrence: In veinlets in the pollucite-rich middle zone of a muscovite-albite-spodumene pegmatite.

Association: Montebrasite, quartz, apatite.

Distribution: At an undefined locality in the Nanping area, Fukien Province, China.

Name: For its occurrence in the Nanping area, China.

Type Material: Institute of Mineral Deposits, Chinese Academy of Geological Sciences; National Museum of Geology, Beijing, China.

References: (1) Yueqing Yang, Yunxiang Ni, Liben Wang, Wenying Wang, Yaping Zhang, and Chenghu Chen (1988) Nanpingite-a new cesium mineral. Yanshi Kuangwuxue Zashi, 7, 49–58 (in Chinese with English abs.). (2) (1990) Amer. Mineral., 75, 708–709 (abs. ref. 1). All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without the prior written permission of Mineral Data Publishing.