Crystal Data: Triclinic. *Point Group*: 1. As aggregates of fibrous crystals, individually to 1 mm, elongated along [010].

Physical Properties: *Cleavage*: Perfect on $\{001\}$ and $\{100\}$. *Fracture*: Fibrous. *Tenacity*: Flexible. *Hardness* = 5-5.5 D(meas.) = n.d. D(calc.) = 3.33

Optical Properties: Transparent. *Color*: Pinkish white, black with oxidation. *Streak*: White. *Luster*: Vitreous, silky [aggregates].

Optical Class: Biaxial (+). $\alpha = 1.593(3)$ $\beta = 1.618(3)$ $\gamma = 1.653(3)$ 2V(calc.) = 82°

Cell Data: Space Group: $P\overline{1}$. a = 7.612(7) b = 7.038(4), c = 6.700(4) $a = 90.23(6)^{\circ}$ $\beta = 94.70(7)^{\circ}$ $\gamma = 105.26(8)^{\circ}$ Z = 2

X-ray Powder Pattern: Tanohata mine, Tanohata village, Iwate prefecture, Japan. 2.95 (100), 3.13 (89), 3.11 (69), 2.18 (40), 6.64 (35), 2.81 (33), 3.67 (26)

Chemistry:		(1)
	SiO_2	51.97
	MnO	37.99
	MgO	1.06
	CaO	0.41
	Na_2O	1.97
	Li ₂ O	3.34
	H_2O	[2.59]
	Total	99.33

(1) Tanohata mine, Tanohata village, Iwate prefecture, Japan; electron microprobe analyses supplemented by LAM-ICP-MS and IR spectroscopy, H_2O calculated as OH^- for charge balance; corresponding to $(Li_{0.78}Na_{0.22})(Mn_{1.86}Ca_{0.03}Mg_{0.09})Si_{3.01}O_8(OH)$.

Mineral Group: Wollastonite group.

Occurrence: In lens-like veins in a sediment-hosted Mn-ore deposit in contact metamorphic rocks near a granodiorite intrusion.

Association: Quartz, aegirine, Mn-arfvedsonite, nambulite, natronambulite, barite.

Distribution: From the dumps of the No. 3 (Matsumaezawa) ore body, Tanohata mine, Tanohata village, Iwate prefecture, Japan.

Name: For a village close to the location from which the first specimens were collected.

Type Material: National Museum of Nature and Science, Tokyo, Japan (NSM M29298).

References: (1) Nagase, T., H. Hori, M. Kitamine, M. Nagashima, A. Abduriyim, and T. Kuribayashi (2012) Tanohataite, LiMn₂Si₃O₈(OH): a new mineral from the Tanohata mine, Iwate Prefecture, Japan. Journal of Mineralogical and Petrological Sciences, 107(3), 149-154. (2) (2015) Amer. Mineral., 100, 1329-1330 (abs. ref. 1).