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Crystal Data: Triclinic. Point Group: $\overline{1}$ or 1. As needles and radiating fibers, to 0.03 mm, in nodular incrustations.

Physical Properties: Cleavage: Good on $\{100\}$, $\{010\}$; on $\{001\}$, probable. Hardness = n.d. D(meas.) = n.d. D(calc.) = 2.825

Optical Properties: Semitransparent. Color: Colorless.

Optical Class: Biaxial (+). Orientation: Length-slow. $\alpha = 1.458$ $\beta = 1.473$ $\gamma = 1.501$ $2V(\text{meas.}) = 68^{\circ}-80^{\circ}$ $2V(\text{calc.}) = 73^{\circ}44'$

Cell Data: Space Group: $P\overline{1}$ or P1. a = 9.155 b = 6.202 c = 6.092 $\alpha = 94°00'$ $\beta = 95°32'$ $\gamma = 108°42'$ Z = [4]

X-ray Powder Pattern: Barrington Tops, Australia.

8.682 (vs), 3.093 (vs), 2.936 (vs), 6.087 (s), 5.816 (s), 2.495 (s), 2.309 (s)

Chemistry:

	(1)	(2)	(3)
CO_2	34.8	36.5	36.57
MgO	31.8	33.5	33.49
$\rm H_2O$	33.4	30.0	29.94
Total	[100.0]	[100.0]	100.00

(1) Barrington Tops, Australia; corresponds to $Mg_{1.00}C_{1.00}O_3 \cdot 2.35H_2O$ (2) Do.; corresponds to $Mg_{1.00}C_{1.00}O_3 \cdot 2.00H_2O$ (3) $MgCO_3 \cdot 2H_2O$.

Occurrence: Formed by leaching of magnesium from olivine basalt under a waterfall by meteoric water.

Association: Nesquehonite.

Distribution: In Australia, under Rainbow Falls, Sempill Creek, Barrington Tops, New South Wales.

Name: For its occurrence near Barrington, Australia.

Type Material: n.d.

References: (1) Nashar, B. (1965) Barringtonite – a new hydrous magnesium carbonate from Barrington Tops, New South Wales, Australia. Mineral. Mag., 34, 370–372. (2) (1965) Amer. Mineral., 50, 2103–2104 (abs. ref. 1).