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Crystal Data: Triclinic, pseudohexagonal. *Point Group:* $\overline{1}$ or 1. Crystals, to 1 μ m, platy; in nodules and aggregates, very fine-grained, compact, massive.

Physical Properties: Tenacity: Friable, clayey. Hardness = "Soft". D(meas.) = 2.01(1)D(calc.) = 2.00

Optical Properties: Semitransparent. *Color:* White, may be discolored gray to brown. *Luster:* Dull.

Optical Class: Biaxial. n = 1.509 $\alpha = n.d.$ $\beta = n.d.$ $\gamma = n.d.$ 2V(meas.) = n.d. 2V(meas.) = n.d.

Cell Data: Space Group: $P\overline{1}$ or P1. a = 9.94 b = 14.88 c = 26.47 $\alpha = 98.7^{\circ}$ $\beta = 96.5^{\circ}$ $\gamma = 89.0^{\circ}$ Z = 8

X-ray Powder Pattern: Scarborough, England. 8.66 (vvs), 3.724 (s), 5.99 (ms), 4.331 (ms), 8.34 (m), 5.63 (m), 4.906 (m)

Chemistry:		(1)	(2)
	SiO_2	3.2	
	SO_3	1.8	
	$\rm CO_2$	7.9	8.70
	Al_2O_3	45.7	50.37
	MgO	0.1	
	Na_2O	1.7	
	K_2O	0.2	
	H_2O	37.9	40.93
	Total	98.5	100.00

(1) Scarborough, England; corresponding to $Al_{5.0}(CO_3)(OH)_{12.9} \bullet 5.2H_2O$.

(2) $Al_5(CO_3)(OH)_{13} \bullet 5H_2O.$

Occurrence: In vertical fissures in sandstone (Scarborough, England); authigenic, probably formed by dessication of near-shore bottom sediments of a hypersaline lake (Muskiki Lake, Canada).

Association: Hydroscarbroite, gibbsite, kaolinite, calcite, quartz (Scarborough, England); illite, kaolinite, smectite, "chlorite", huntite, feldspar, quartz (Muskiki Lake, Canada).

Distribution: In England, from South Bay, near Scarborough, North Yorkshire, and at Weston Favell, Northampton. From near Nikšić, Yugoslavia. In Canada, from Muskiki Lake, Saskatchewan.

Name: For its first-noted occurrence near Scarborough [contracted to Scarbro, the common local pronunciation], England.

Type Material: The Natural History Museum, London, England, 1984,898.

References: (1) Dana, E.S. (1892) Dana's system of mineralogy, (6th edition), 694. (2) Duffin, W.J. and J. Goodyear (1960) A thermal and X-ray investigation of scarbroite. Mineral. Mag., 32, 353–362. (3) Brindley, G.W. and J.J. Comer (1960) Electron-optical data for crystals of scarbroite. Mineral. Mag., 32, 363–365. (4) Brindley, G.W. (1980) Scarbroite, Al₅(OH)₁₃CO₃•5H₂O, compared with gibbsite and hydrotalcite. Mineral. Mag., 43, 615–618. (5) King, R.J. (1982) A new occurrence of scarbroite in Britain. J. Russell Soc., 1(1), 9–18.