

Crystal Data: Monoclinic. *Point Group:* 2/m. Prismatic to acicular crystals, striated and elongated along [001], to 1.5 mm; typically as globular clusters of divergent bladed crystals.

Physical Properties: *Cleavage:* {001}, distinct; {100}, imperfect. *Fracture:* Uneven. *Tenacity:* Brittle. Hardness = 3 D(meas.) = 2.00(1) D(calc.) = 2.003 Slowly soluble in H₂O.

Optical Properties: Transparent. *Color:* Colorless, white in aggregates; colorless in transmitted light. *Streak:* White. *Luster:* Vitreous.

Optical Class: Biaxial (+). *Orientation:* Y = b; Z ∧ c = 27°. *Dispersion:* r > v, slight. α = 1.484(2) β = 1.501(2) γ = 1.550(2) 2V(meas.) = n.d. 2V(calc.) = 63°

Cell Data: *Space Group:* P2₁/a. a = 12.882(4) b = 16.360(7) c = 6.558(4) β = 121.62(5)° Z = 4

X-ray Powder Pattern: Death Valley, California, USA.

8.23 (100), 9.20 (25), 4.094 (20), 3.88 (10b), 3.345 (10), 6.57 (5), 5.37 (5)

Chemistry:

	(1)	(2)
B ₂ O ₃	58.10	58.83
CaO	15.50	15.80
SrO	0.71	
H ₂ O	25.76	25.37
Total	100.07	100.00

(1) Death Valley, California, USA; average of two analyses, Sr by flame photometry, H₂O by TGA; corresponds to Ca_{1.00}B_{5.90}O₈(OH)₄•3.05H₂O. (2) CaB₆O₈(OH)₄•3H₂O.

Occurrence: A rare weathering product of colemanite and priceite.

Association: Meyerhofferite, nobleite, hydroboracite, ulexite, ginorite, gypsum.

Distribution: From the Hard Scramble claim, the Mott colemanite prospect, and two other nearby occurrences south of Furnace Creek Wash, Death Valley, Inyo Co., California, USA.

Name: To honor Harrison Preston Gower (1890–1967), Mining Manager, U.S. Borax and Chemical Company, for his assistance to scientific studies of Death Valley borate deposits.

Type Material: National Museum of Natural History, Washington, D.C., USA, 136417, 147960.

References: (1) Erd, R.C., J.F. McAllister, and H. Almond (1959) Gowerite, a new hydrous calcium borate, from the Death Valley region, California. *Amer. Mineral.*, 44, 911–919. (2) Christ, C.L. and J.R. Clark (1960) X-ray crystallography and crystal chemistry of gowerite, CaO•3B₂O₃•5H₂O. *Amer. Mineral.*, 45, 230–234. (3) Konnert, J.A., J.R. Clark, and C.L. Christ (1972) Gowerite, CaB₅O₈(OH)•B(OH)₃•3H₂O: crystal structure and comparison with related borates. *Amer. Mineral.*, 57, 381–396.