

**Crystallolithus** GAARDER & MARKALI, 1957

**Description:**

Diagnosis: Cell subglobular, completely covered with uniform, irregularly arranged coccoliths. Diameter 10-18  $\mu$ . Coccoliths thin and hyaline, with a thicker border; normal-elliptical, somewhat irregular in outline; about 2  $\mu$  long and 1.3  $\mu$  broad; with corrugated surface; according to electron micrographs, consisting entirely of microcrystals, cleavage rhombohedrons of calcite, which form an elliptic main layer and an extra peripheral row. Crystals in the main layer arranged in approximately parallel rows, forming a strainer-like plate with mostly rhomboidal apertures. Detached coccoliths slightly twisted in profile. Cell content dense, with outer hyaline layer of varying thickness. Two chromatophores (Flagella not observed).

**Type species:**

*Calypptosphaera hyalina* GAARDER, 1953, (*Nom. nud.*); see *Crystallolithus hyalinus* GAARDER & MARKALI, 1957.

**Author:**

Gaarder K.R. and Markali J., 1957, p. 1.

**Reference:**

On the Coccolithophorid *Crystallolithus hyalinus* n. gen., n. sp. Nytt. Mag. Bot., vol. 5, pp. 1-5, 1 text-fig., 1 pl.