

TECHNICAL DATA SHEET

High-Purity, Low-Silica Limestone

Product description. Natural Egyptian limestone extracted from the quarry and processed by crushing, grinding and screening into lumps, granules, powder and aggregate according to the required industrial application.

IDENTIFICATION	DETAIL
Product family	Limestone / Calcium Carbonate
Country of origin	Egypt
Production area	Minya, Egypt
Main forms	Lumps, graded granules, powder and aggregate
Processing	Quarry extraction, crushing, grinding and screening
Commercial description	High-Purity, Low-Silica Limestone

Typical Chemical Analysis

Parameter	Typical value
CaCO ₃	99.60 %
CaO	56.06 %
MgO	0.01 %
Fe ₂ O ₃	0.001 %
Al ₂ O ₃	0.001 %
SiO ₂ (total)	0.001 %
Loss on Ignition (LOI)	43.89 %

Typical Physical Properties

Property	Typical value
Brightness	95.0 % +/- 1
Refractive index	1.59
pH	9.0
Bulk density	1.4 g/cm ³
Mohs hardness	3
Moisture	0.20 %

Available Forms and Commercial Sizes

Application	Processed form	Available size
Cement manufacturing	Crushed limestone lumps	Lumps or as requested
Glass manufacturing	Screened granules	0.5-1.5 mm
Animal feed	Fine and screened granules	250 micron; 0.5-1; 1-2; 2-3; 3-4 mm
Agriculture	Ground limestone	Powder
Construction	Crushed and screened limestone	Aggregate sizes as requested
Lime production	Selected limestone lumps	Lumps or as requested

Packing and Export Supply

Available commercial packing includes bulk loading, loose loading in 20 ft containers, jumbo bags, 25 kg bags and 50 kg bags. The final packing and loading plan is selected according to product form, particle size, order quantity, receiving equipment and destination requirements.

Quality Documents

Document	Availability
Technical Data Sheet (TDS)	This document
Sample Certificate of Analysis (COA)	Available for reference
Shipment COA	Issued against the approved lot / shipment
Safety Data Sheet (SDS)	Supplied after technical and destination-market review
Sieve analysis	Supplied for the approved graded product when applicable

Commercial and Technical Note

The values shown are typical production values and are not a substitute for a shipment-specific certificate. Natural mineral products may show normal lot-to-lot variation. Final chemistry, particle size, packing and commercial acceptance criteria are confirmed in the quotation, approved specification and shipment COA.

Reference basis: Biliton Limestone Certificate of Analysis approved for website and TDS use. Oil absorption and DOP absorption are not stated because no approved values were provided.