

**CALCIMATE- HIGH CALCIUM PULVERIZED LIMESTONE**

**Nominal size: 0 – 0.250 mm**

**Makaraeo**

**PRODUCT DESCRIPTION**

A white to light grey microcrystalline pure limestone produced from a high-purity limestone deposit by quarrying, crushing, grinding, and screening operations. A sedimentary rock composed predominantly of calcium carbonate (CaCO<sub>3</sub>).

**TYPICAL CHEMICAL PROPERTIES**

(ASTM C25, C1271, C1301)

Calcium Carbonate (CaCO <sub>3</sub> ) (%)	98.4
Calcium (Ca) (%)	39.4
Magnesium Carbonate (MgCO <sub>3</sub> ) (%)	0.7
Magnesium (Mg) (%)	0.2
Silica (SiO <sub>2</sub> ) (%)	0.8
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> ) (%)	0.1
Alumina (Al <sub>2</sub> O <sub>3</sub> ) (%)	0.2
Manganese Oxide (MnO) (ppm)	79.7
Total Sulfur (S) (%)	NA
Loss on ignition (%)	NA

**TYPICAL PHYSICAL PROPERTIES**

(ASTM C110)

Bulk Density	
▲ Loose / Packed, (kg/m <sup>3</sup> )	1100/1640
▲ Loose / Packed, (lb/ft <sup>3</sup> )	69/102

**CLASSICAL REFERENCE DATA**

(CRC Handbook of Chemistry and Physics, Boynton)

Specific Gravity (Pure calcite)	2.71
Solubility in Water (25 °C) (mg/l)	14
pH (Saturated solution) (25 °C)	8 – 9
Crushing Strength (MPa)	8.3 – 195.8
Hardness (Mohs)	2 – 4
Specific Heat (38 °C) (cal/g·°C)	0.114
Dielectric Constant	8 – 12

**SIZE DISTRIBUTION**

(ASTM MNL32)

Sieve (mm)	Sieve (U.S.A.)*	% Passing
0.250	No. 60	99.8
0.150	No. 100	99.2
0.125	No. 120	98.5
0.075	No. 200	94.6

**NOTICE**

The test data herein is based on average results on production samples. Product shipments are subject to normal variation. Accordingly, test data cannot be taken as establishing maximum or minimum specifications. Product Codes: 3273, 3270 (1 MT Sack), 3272 (25 kg Bag)\*These sieves correspond approximately to those of the metric series.