

## PRODUCT DATA SHEET:

### Colloidal Kaolin



Life Sciences

#### Colloidal Kaolin 2456

**Cosmetics** - Colloidal Kaolin is used as an extender and suspending agent in a variety of cosmetic preparations. It is used in lotions, creams, powders and color cosmetics.

TYPICAL PHYSICAL PROPERTIES	
Median Particle Size (micron)	0.24
Dry Brightness	88
Viscosity cps (25°C, 20 rpm)	450 max
Bulking Value (lbs/gal)	21.7
Specific Gravity	2.60
BET Surface Area (m <sup>2</sup> /g)	17
Oil Absorption	43
Hegman Grind	5+
% Thru 325 Mesh	99.995

**BSI Code:** 2456

**INCI:** Kaolin

**C.A.S. Number:** 1332-58-7

TYPICAL CHEMICAL PROPERTIES	
SiO <sub>2</sub> - Silicon Dioxide (%)	44.0 - 46.0
Al <sub>2</sub> O <sub>3</sub> - Aluminum Oxide (%)	37.0 - 40.0
MgO - Magnesium Oxide (%)	0.2 - 0.4
CaO - Calcium Oxide (%)	0.03 - 0.06
Fe <sub>2</sub> O <sub>3</sub> - Ferric Oxide (%)	0.2 - 0.4
TiO <sub>2</sub> - Titanium Dioxide (%)	1.5 - 2.0
Crystalline Silica (max %)	0.10
Moisture (max %)	1.5
pH Value	7.0
CHEMICAL ANALYSIS	
Pb - Lead (max ppm)	10
CO <sub>2</sub> - Carbonate	None
Water Soluble Iron	Trace
Water Solubles	None
Acid Solubles (%)	2.0

**Storage:** Store in cool location, keep away from heat and direct sunlight. Keep container sealed.

**Handling Precautions:** Please refer to the Colloidal Kaolin 2456 Safety Data Sheet.

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