

PRODUCT DATA SHEET:

Colloidal Kaolin



Life Sciences

Colloidal Kaolin 2457 USP / BC

Pharmaceutical - Colloidal Kaolin, USP are used as as internal absorbent, diluent, filler and opacifier in pharmaceutical preparations. It is widely used in creams and lotions as a suspending agent and opacifier. In veterinary applications, it functions as a topical and G.I. absorbent and as a component of poultices.

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 ² /g)	17
Oil Absorption	43
Hegman Grind	5+
% Thru 325 Mesh	99.995

BSI Code: 2457

INCI: Kaolin

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

Monographs: USP

TYPICAL CHEMICAL PROPERTIES	
SiO ₂ - Silicon Dioxide (%)	44.0 - 46.0
Al ₂ O ₃ - Aluminum Oxide (%)	37.0 - 40.0
MgO - Magnesium Oxide (%)	0.2 - 0.4
CaO - Calcium Oxide (%)	0.03 - 0.06
Fe ₂ O ₃ - Ferric Oxide (%)	0.2 - 0.4
TiO ₂ - Titanium Dioxide (%)	1.5 - 2.0
Crystalline Silica (max %)	0.10
Moisture (max %)	1.5
pH Value	7.0

USP CHEMICAL ANALYSIS

Pb - Lead (max ppm)	10
CO ₂ - 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 2457 USP / BC Safety Data Sheet.

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