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Typical Product Specifications & Properties

Calcium Hydroxide USP/FCC

CAS Number : 1305-62-0

Specifications	Limits
Density	2.34
Slightly Soluble	in water
Dry Brightness	94 (93 - 98)
% Thru 200 Mesh	99.8
Loss on ignition, USP<733>	8-11 % (8 - 11)
Surface Area (M2/g)	16.0
Ca (OH) 2-Calcium Hydroxide (%)	98.5 (95.0 - 100.5)
Calcium Carbonate	0.24 %
Acid Insoluble matter	0.1 % max (NMT 0.5)
One Pound Bulks, (gallons)	0.0522
Heavy Metals; USP <231>	1 ppm max (NMT 20ppm)
Carbonate Effervescence	Slight



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Specifications	Limits
Specific gravity	2.34
Pb-Lead	0.10 ppm max
Product Specification Revised	March 2004
Loose Density (lbs./ft 3)	24 (19 - 24)
Moisture	0.5 % max (NMT 0.8)
pH	12.4 (11.5 - 13.0)
Tapped Density (lbs./ft.3)	40 (40 -45)
Pounds / Solid gallons	19.16
% Thru 325 Mesh	99
As-Arsenic	0.50 ppm max
Magnesium & Alkali Salts (% max)	0.8 (NMT 4.8)
F-Fluoride	40 ppm max



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Specifications	Limits
Insolubility	in alcohol
Melting Point	loses water at 580 c
Molecular weight	74.10
Solubility	glycerol, syrup, acid



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