



SPECIFICATION

CALCIUM CARBONATE

CHEMICAL IDENTITY : Calcium Carbonate
CAS NUMBER : 471-34-1

PHYSICAL / ANALYTICAL / MICROBIOLOGICAL PROPERTIES	UNIT OF MEASURE	SPECIFICATIONS	TEST METHODS
Appearance	Attribute	White-Off White powder	Visual
Calcium Carbonate	%	98.0 – 100.5	Method 8.810
Magnesium and Alkali Salts*	%	NMT 1	Method 8.812
Acid Insolubles*	%	NMT 0.2	Method 8.813
Moisture, Loss on Drying	%	NMT 2 TM	Method 8.809
Lead*	mg/kg	NMT 0.50	Method 8.816
Arsenic*	mg/kg	NMT 3	Method 8.816
Fluoride*	%	NMT 0.005	Method 8.815
Total Aerobic Count	cfu/g	NMT 1000	USP <61>
Total Combined Yeast & Mold	cfu/g	NMT 200	USP <61>
USP Pathogens (Staphylococcus aureus, Pseudomonas aeruginosa, Salmonella, Escherichia coli)	Absent/Present	Absent	USP <62>

PROPERTIES BASED ON INTERMITTENT TESTING	UNIT OF MEASURE	TYPICAL RESULTS	TEST METHODS
Bulk Density, Loose	g/cc	1.15	Method DC 409002-0D
Bulk Density, Tamped	g/cc	1.6	Method 1.108
Median Particle Size	microns	20	Cilas Laser Scattering
Surface Area, BET	m ² /g	0.9	Method 20.231
Screen Residue, 325 Mesh	%	35	Method 1.103

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