



HEALTH & NUTRITION

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PRODUCT DATA SHEET

HuberCal® 500 Elite
Calcium Carbonate Powder

CHEMICAL IDENTITY: Calcium Carbonate
CAS NUMBER: 471-34-1
HUBER MANUFACTURING FACILITY: Quincy, IL

Meets the requirements of the current USP / EP monograph for calcium carbonate.

PHYSICAL / ANALYTICAL / MICROBIOLOGICAL PROPERTIES	UNIT OF MEASURE	SPECIFICATIONS	TEST	METHOD
Appearance	Attribute	White-Off White powder	--	Visual
Identification*	ID	Calcite	XRD	Huber 20.201
Calcium Carbonate	%	98.5 – 100.5	--	EP
Magnesium and Alkali Salts	%	NMT 1.0	--	EP
Acid Insolubles	%	NMT 0.2	--	EP
Moisture, Loss on Drying	%	NMT 2.0	200°C	EP
Lead	µg/g	NMT 0.12	ICP-MS	Huber 8.816
Arsenic*	µg/g	NMT 0.5	ICP-MS	Huber 8.816
Fluoride*	µg/g	NMT 50	ISE	USP
Iron*	µg/g	NMT 200	ICP-OES	Huber 8.811
Barium*	Pass/Fail	Pass	ICP-OES	Huber 8.811
Mercury*	µg/g	NMT 0.5	Hg Analyzer	Huber 25.125
Chlorides	µg/g	NMT 330	--	EP
Sulfates	%	NMT 0.25	--	EP
Total Aerobic Count	cfu/g	NMT 1000	10g	USP
Total Combined Yeast & Mold	cfu/g	NMT 100	10g	USP
USP Pathogens (<i>Staphylococcus aureus</i> , <i>Pseudomonas aeruginosa</i> , <i>Salmonella</i> , <i>Escherichia coli</i>)	Absent/Present	Absent	10g	USP

*The product will meet the indicated specifications, based on demonstrated process capability and periodic testing following the indicated Standard Evaluation Methods.

PROPERTIES BASED ON INTERMITTENT TESTING	UNIT OF MEASURE	TYPICAL RESULTS	TEST	METHOD
Bulk Density, Loose	g/cc	0.85	--	Huber 110.10
Bulk Density, Tamped	g/cc	1.3	--	Huber DC410004
Median Particle Size	microns	6	X-ray sizing	Huber DP409011
Surface Area, BET	m ² /g	1.2	BET	Huber 20.231
Screen Residue, 325 Mesh	%	0.10	325 Mesh	Huber DC409001

Note: Regulatory, Nutritional, Packaging and other pertinent information can be found in the published Dossier for this product. This document is available upon request.

Note: Recommended Storage Conditions: The shelf life of this product sold in powder/dry form is 3 years from the date of manufacture provided the material has been properly stored in cool, dry conditions; unopened containers and no contamination has taken place.

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