



PRODUCT SPECIFICATION

PureCal® USP 4

Calcium Carbonate Powder



Chemical Identity: Calcium Carbonate
CAS Number: 1317-65-3
Manufacturing Facility: New Castle, DE
Shelf Life: 1095 Days

Essential Minerals PureCal® Calcium Carbonate is offered in multiple product sizes, high purity, and ultra-low trace metals. Consistent quality control of PureCal® Calcium Carbonate is guaranteed using an automated process control from milling to final packaging. All grades are made without the need for purification or chemical additives or modifiers. PureCal® Calcium Carbonate is available multiple packaging types and include full analysis performed via on-site certified laboratory.

TECHNICAL SPECIFICATIONS:

CHARACTERISTIC	UNIT OF MEASURE	UNITS
MEDIAN SIZE	µm	(Target 4) 3- 5
MAG & ALKALI SALTS	%	< 1.0
CAC03 ASSAY	%	> 98
LOSS ON DRYING	%	<= 2.0
ACID INSOLUBLE	%	<=0.2
HEAVY METALS AS PB	ppm	<= 20
ARSENIC	ppm	<= 1.0
BARIUM	Pass/Fail	Pass/Fail
CADMIUM	ppm	<=0.5
FLUORIDES	%	<= 0.005
IRON	ppm	<1000
LEAD	ppm	<= 0.25
MERCURY	ppm	<=0.5
NICKEL	ppm	< 20
VANADIUM	ppm	< 1.0
AEROBIC PLATE COUNT	CFU/g	< 3000
YEAST & MOLD	CFU/g	< 10
TOTAL COLIFORMS	CFU/g	< 10
STAPHYLOCOCCUS AUREUS	/5g	Negative
E COLI	/5g	Negative
SALMONELLA	/375g	Negative

STORAGE AND PACKAGING: Recommended storage conditions include the material in a cool, dry area, in a sealed container where no contamination can take place.

Certifications: Halal, Kosher, ISO 9001:2015, ISO 22000:2018