

Item Number	CA131D	Lot Number	3GB0035
Item	Calcium Carbonate, Heavy Powder, 200 Mesh, USP		
CAS Number	471-34-1		
Molecular Formula	CaCO ₃	Molecular Weight	100.09

TEST	SPECIFICATION		RESULT
	MIN	MAX	
GENERAL CHARACTERISTICS			
APPEARANCE	WHITE OR ALMOST WHITE POWDER		COMPLIES
ODOR	ODORLESS		COMPLIES
SOLUBILITY	PRACTICALLY INSOLUBLE IN WATER		COMPLIES
CHEMICAL ANALYSIS			
SUBSTANCES INSOLUBLE IN HCl (USP)		0.2%	0.19%
ARSENIC (USP)		3.0 ppm	<3.0 ppm
BARIUM (USP)	COMPLIES		COMPLIES
HEAVY METALS(as Pb) (USP)		20 ppm	<20 ppm
FLUORIDE (USP)		50 ppm	<50 ppm
LEAD (USP)		3 ppm	<0.3 ppm
MERCURY (USP)		0.5 ppm	<0.5 ppm
LOSS ON DRYING (USP)		2.0%	0.40%
MAGNESIUM AND ALKALI SALTS (USP)		1.0%	0.29%
RESIDUAL SOLVENTS (USP)	COMPLIES		NO RESIDUAL SOLVENTS USED
IDENTIFICATION A & B (EP)	COMPLIES		COMPLIES
SUBSTANCES INSOLUBLE IN ACETIC ACID (EP)		0.2%	0.18%
CHLORIDE (EP)		330 ppm	<330 ppm
SULPHATE (EP)		0.25 %	< 0.25%
BARIUM (EP)	COMPLIES		COMPLIES
IRON (EP)		200 ppm	<200 ppm
ASSAY as CaCO ₃ (EP)	98.5%	100.5%	99.62%
as Ca	39.4%	40.2%	39.85%
CADMIUM (ICP-MS)		1.0 ppm	<1.0 ppm
PHYSICAL ANALYSIS			
BULK DENSITY (TAPPED)	0.4 G/ML	0.7 G/ML	0.53 G/ML
PARTICLE SIZE / SIEVE ANALYSIS	Mini. 95.0% PASSING THROUGH 200# BSS (75 micron)		99.4%
MICROBIOLOGICAL TEST			
TOTAL AEROBIC COUNT		1000CFU/G	25CFU/G
TOTAL YEAST AND MOULD COUNT		100 CFU/G	<10CFU/G
ESCHERICHIA COLI.		ABSENT/G	ABSENT/G
SALMONELLA		ABSENT/10G	ABSENT/10G
PSEUDOMONAS AERUGINOSA		ABSENT/G	ABSENT/G
STAPHYLOCOCCUS AUREUS		ABSENT/G	ABSENT/G
EXPIRATION DATE			31-DEC-2021

MANUFACTURE DATE

01-JAN-2017

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