

Item Number	CA131B	Lot Number	3GB0034
Item	Calcium Carbonate, Heavy Powder, 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			
IDENTIFICATION A & B (EP)	COMPLIES		COMPLIES
SUBSTANCES INSOLUBLE IN ACETIC ACID (EP)		0.2%	0.15%
CHLORIDE (EP)		330PPM	<330PPM
SULPHATE (EP)		0.25 %	< 0.25%
BARIUM (EP)	COMPLIES		COMPLIES
IRON (EP)		200PPM	<200PPM
HEAVY METALS(as Pb) (USP)		20PPM	<20PPM
LOSS ON DRYING (USP)		2.0%	0.30%
ASSAY as CaCO ₃ (USP)	98.5%	100.5%	99.62%
SUBSTANCES INSOLUBLE IN HCl (USP)		0.2%	0.17%
FLUORIDE (USP)		50PPM	<50PPM
ARSENIC (USP)		3.0 PPM	<3.0 PPM
BARIUM (USP)	COMPLIES		COMPLIES
MAGNESIUM AND ALKALI SALTS (USP)		1.0%	0.36%
LEAD (USP)		3PPM	<0.3PPM
MERCURY (USP)		0.5PPM	<0.5PPM
CADMIUM (ICP-MS)		1.0PPM	<1.0PPM
PHYSICAL ANALYSIS			
BULK DENSITY (TAPPED)	0.85 G/ML		1.26 G/ML
PARTICLE SIZE / SIEVE ANALYSIS	Mini. 95.0% PASSING THROUGH 200# BSS (75 micron)		99.2%
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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