

Item Number	CA130D	Lot Number	3GH0020
Item	Calcium Carbonate, Light 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			
ACID-INSOLUBLE SUBSTANCES IN HCl (USP)		0.2%	0.17%
ARSENIC (USP)		3ppm	<3ppm
BARIUM (USP)	COMPLIES		COMPLIES
HEAVY METALS (USP)		20ppm	<20ppm
LEAD (USP)		3ppm	<0.3 ppm
FLUORIDE (USP)		50ppm	<50ppm
MAGNESIUM AND ALKALI SALTS (USP)		1.0%	0.36%
MERCURY (USP)		0.5 ppm	<0.5 ppm
LOSS ON DRYING (USP)		2.0%	0.53%
RESIDUAL SOLVENTS (USP)	COMPLIES		NO RESIDUAL SOLVENTS USED
IDENTIFICATION A & B (EP)	COMPLIES		COMPLIES
SUBSTANCES INSOLUBLE IN ACETIC ACID (EP)		0.2%	0.15%
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%	99.56%
as Ca	39.4%	40.2%	39.82%
CADMIUM (ICP-MS)		1.0 ppm	<1.0 ppm
PHYSICAL ANALYSIS			
BULK DENSITY (TAPPED)	0.55 G/ML	0.75 G/ML	0.73 G/ML
PARTICLE SIZE / SIEVE ANALYSIS	Mini. 95.0% PASSING THROUGH 200# BSS (75 micron)		99.3%
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

Phil Xiao

Phil Xiao
Director, Quality Control



Spectrum China Ltd.

A Div of Spectrum Chemical Mfg Corp

Bldg A20, Lane 3802, Shen Gang Road, Song
Jiang District, Shanghai, P.R.China, 201611
(021)67601398