

SPECIFICATION

Vitamin C DC 97 % Food grade (EP/USP (Ascorbic acid))

Production unit

Heilongjiang NHU Biotechnology

Description

Ingredients Ascorbic acid, Hydroxypropylmethylcellulose
Synonym Vitamin C, Ascorbic acid, L-Ascorbic acid
Formula $C_6H_8O_6$
Product code SPCK01
CAS No 50-81-7

Properties

Shelf life 24 months
Aspect White or yellowish fine small particles
Assay (GC) (Ascorbic acid) 96 – 98 %
Loss on drying < 0,2 %
Particle size distribution > 98 % through mesh #20
< 35 % through mesh #100
< 15 % through mesh #200

Identification

EP First identification: B, C
Second identification: A, C, D
A: Ultraviolet and visible absorption spectrophotometry
B: Infrared absorption spectrophotometry
C: pH meets the requirements
D: A grey precipitate is formed

USP

A: Infrared absorption
B: 20 mg/ml reduces alk. cupric tartrate test solution

Bulk Density

0,7 g/ml – 0,9 g/ml

Sulphated ash

< 0,1 % (EP)

Impurity E

max. 0,2 % (EP)

Residual solvents

meets requirements

Heavy metals

Iron	< 2 mg/kg (EP)
Copper	< 5 mg/kg (EP)
Arsenic (As)	< 1 mg/kg
Lead (Pb)	< 0,5 mg/kg
Mercury (Hg)	< 0,1 mg/kg
Cadmium (Cd)	< 0,5 mg/kg

Microbiological specs

Total plate count	< 1000 CFU/g
Mould and Yeast	< 100 CFU/g
Coliforms	Negative in 10 g
Salmonella	Negative in 25 g
Staph. aureus	Negative in 25 g

Handling

Usage for food and cosmetic industry

Storage preserve in tight, light-resistant containers

NHU EUROPE GmbH

Vitamin C DC 97 %/SPCK01/erstelltundfreigegeben: 130423/av

Bank account EUR
Deutsche Bank AG
DE 53 2407 0075 0019 5222 00
DEUTDE2H240

Bank account USD
Deutsche Bank AG
DE 53 2407 0075 0019 5222 0005
DEUTDE2H240

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