

SPECIFICATION

Product name C (97) SF/Ascorbic Acid Granulation (97) SF
Product code SPCK01
Production site Heilongjiang NHU Biotechnology
Trade name Vitamin C DC 97 % Food grade (EP/USP (Ascorbic acid))

Description

Ingredients Ascorbic acid, Hydroxypropylmethylcellulose
Synonym Vitamin C, Ascorbic acid, L-Ascorbic acid
Formula C₆H₈O₆
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
Residue on ignition < 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
E. coli	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