

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 (Ascorbic acid)

EP

1. B: IR meets requirements
 C: pH meets requirement
 A: UV meets requirement
2. C: pH meets requirement
 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 %
 Residual solvents meets requirements

Heavy metals

Iron < 2 mg/kg
 Copper < 5 mg/kg
 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