

SPECIFICATION

Product name C (97) SF/Ascorbic Acid Granulation (97) SF
Product code SPCK01
Production site Heilongjiang NHU Biotechnology

Description

Ingredients Ascorbic acid, Hydroxypropylmethylcellulose (FCC)
Synonym Vitamin C, Ascorbic acid, L-Ascorbic acid
Formula C₆H₈O₆
Molecular weight 176,12 g/mol
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 ≤ 0,2 % (EP)

**Residual solvents**

Ethanol	≤ 200 mg/kg
Methanol	≤ 200 mg/kg

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	In tight, light-resistant containers at ambient conditions.
Transport	See latest safety data sheet

Active ingredient complies with current EP, USP and FCC.

NHU Life Science GmbH