

SPECIFICATION

Product name Sodium ascorbate (BP/USP/EP/FCC/E301)
Production unit Heilongjiang NHU Biotechnology
Product code SPCA01
Trade name Sodium ascorbate Food Grade (E301) (EP/USP)

Description

Ingredients Ascorbic acid Sodium
Synonym Vitamin C Sodium, Sodaascorbate, Natrascorb, Ascorbicin, Cenolate, Ascorbin, Cebitate
Formula $C_6H_7NaO_6$
Molecular weight 198,11 g/mol
CAS No 134-03-2

Properties

Shelf life 24 months
Aspect White or yellowish crystalline powder or crystals
Assay (GC) 99 – 100,5 %
Loss on drying < 0,2 %

Identification (EP)

First: B, D; Second: A, C, D
A: specific rotation, meets the requirements
B: Infrared absorption spectrophotometry
C: a grey precipitate is formed
D: 1 ml of Solution S gives reaction of sodium

pH (with 10 % water solution) 6,5 to 8,0 (EU 231/2012)
pH (Solution S) 7,0 to 8,0 (Ph.Eur.)
Colour of solution ≤ BY₆
Specific Optical rotation + 103 to + 106
Sulphates < 150 mg/kg

Impurities

Impurity E < 0,2 % (EP)
Impurities C, D < 0,15 %
Unspecified impurities (each) < 0,1 %
Sum of impurities other than C and D < 0,2 %

Heavy metals

Copper	< 5 mg/kg
Iron	< 2 mg/kg
Nickel	< 1 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

Residual solvents (Methanol) < 200 mg/kg

Microbiological specs

Total plate count	< 1000 CFU/g
Mould and Yeast	< 100 CFU/g
Bile tolerant gram-negative bacteria	< 100 CFU/g
E. coli	negative in 10 g
Salmonella	negative in 25 g
Staph. aureus	negative in 25 g

Handling

Usage for cosmetic and food industry
product can also be used as feed additive (1b301),
dosage in feed: as per latest version of European
feedstuff law.

Storage Preserve in tight, light-resistance original containers.

Transport instructions please see our latest MSDS.

NHU EUROPE GmbH