

SPECIFICATION

Sodium ascorbate Food Grade (E301) (EP9.8/USP42)

Production unit

Heilongjiang NHU Biotechnology

Description

Ingredients

Ascorbic acid Sodium

Synonym

Vitamin C Sodium, Sodaascorbate, Natrascorb,
Ascorbicin, Cenolate, Ascorbin, Cebitate

Formula

$C_6H_7NaO_6$

Product code

SPCA01

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

Specific Optical rotation

+ 103 to + 106

Sulfates

< 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 drh/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
Coliforms	Negative in 10 g
Salmonella	Negative in 25 g
Staph. aureus	Negative in 25 g

Handling

Usage for cosmetic and food industry

Storage Preserve in tight, light-resistance original containers.

Transport instructions please see our latest MSDS.

NHU EUROPE GmbH