



SPECIFICATION

Product name	Sodium ascorbate
Production unit	Heilongjiang NHU Biotechnology
Product code	SPCA01
Description	
Ingredients	Sodium ascorbate (E301)
Synonym	Vitamin C Sodium, Soda ascorbate, 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 (EP)
Colour of solution	≤ BY ₆
Specific Optical rotation	+103° to +108°
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 (Cu)	< 5 mg/kg
Iron (Fe)	< 2 mg/kg
Nickel (Ni)	< 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 food and cosmetic applications
Storage	Preserve in tight, light-resistance original containers.
Transport	See latest safety data sheet

This product complies with EU 231/2012 of 9th March of 2012, EP, USP and FCC.

NHU Life Science GmbH