

## Certificate of Analysis

Commodity: Sodium Ascorbate

Standard: BP/USP E211

### Description

Ingredients  
Synonym

Ascorbic acid Sodium  
Vitamin C Sodium, Sodaascorbate, Natrascorb,  
Ascorbin, Cenolate, Ascorbin, Cebitate

Formula  
Product code  
CAS No

$C_6H_7NaO_6$   
SPCA01  
134-03-2

### Properties

Shelf life  
Aspect  
Assay (GC)  
Loss on drying  
Identification (EP)

24 months  
White or yellowish crystalline powder or crystals  
99 – 100,5 %  
< 0,2 %  
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)  
Specific Optical rotation  
Sulfates

6,5 to 8,0  
+ 103 to + 106  
< 150 mg/kg

### Impurities

Impurity E  
Impurities C, D  
Unspecified impurities (each)  
Sum of impurities other than C and D

< 0,2 % (EP)  
< 0,15 %  
< 0,1 %  
< 0,2 %

### Heavy metals

Copper  
Iron  
Nickel  
Arsenic (As)  
Lead (Pb)  
Mercury (Hg)  
Cadmium (Cd)

< 5 mg/kg  
< 2 mg/kg  
< 1 mg/kg  
< 1 drh/kg  
< 0,5 mg/kg  
< 0,1 mg/kg  
< 0,5 mg/kg

Residual solvents (Methanol)

< 200 mg/kg

Stamp & Signature:

