



Specification

Concerning Product:	
Article number	134032BDP
Trade name / designation / denomination	Natrium Ascorbat
CAS number	134-03-2
Other names / synonyms	•(+)-Sodium L-ascorbate; •L-ASCORBIC ACID; •Sodium Ascorbate, Granular, FCC; •Sodium Ascorbate, Granular, USP; •Sodium Ascorbate, Powder, USP; •sodium 2-(1,2-dihydroxyethyl)-4-hydroxy-5-oxo-2H-furan-3-olate; •sodium ascorbate;
EC number	205-126-1
Customs tariff number / CN code / TARIC	29362700
Molecular weight [g / mol]	198.10595
Formula	C ₆ H ₇ NaO ₆

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	10% in Water: clear and not more intensely coloured than Ph. Eur. reference solution Y6	
Appearance	Sodium Ascorbate Crystalline is a practically odourless powder. It decomposes at about 220 °C without melting sharply.	
Colour	white to yellowish	
Physical parameter		
Loss on drying	≤ 0,25	%
pH value	(10% in H ₂ O): 7,0 – 8,0	
Specific Optical Rotation	589 nm, 20°C, c = 10 in H ₂ O 103 – 108	°
Solubility	freely soluble in water (approx. 90 g per 100 mL), very slightly soluble in ethanol and practically insoluble in ether and chloroform	
Identity		
Assay	99,0 – 101,0	%
Identification	complies	
Impurities		
Heavy Metals (as Pb)	≤ 10	ppm
Sulphates (SO ₄)	≤ 150	ppm
Related substances	L-sorbosonic acid (C) ≤ 0,15	% [w/w]
Related substances	Methyl L-sorbosonate (D) ≤ 0,15	% [w/w]
Related substances	Oxalic acid (E) ≤ 0,2	% [w/w]
Related substances	Total (other than Impurity C and D) ≤ 0,2	% [w/w]
Related substances	Unspecified impurities ≤ 0,10	% [w/w]

Residual Solvents		
Residual solvents	Ethanol: ≤ 120	ppm
Residual solvents	Methanol: ≤ 60	ppm
Elemental Impurities		
Arsenic (As)	≤ 3	ppm
Copper (Cu)	≤ 5	ppm
Iron (Fe)	≤ 2	ppm
Mercury (Hg)	≤ 1	ppm
Nickel (Ni)	≤ 1	ppm
Lead (Pb)	≤ 2	ppm
Zinc (Zn)	≤ 25	ppm
Particle size distribution		
Particles	through sieve No. 100 ≥ 95	%
Particles	through sieve No. 80 ≥ 98	%

Annotation:

Safety: This product is safe for the intended use.

Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene.

Uses: For the enrichment and stabilization of dry food preparations, and as a curing agent in the meat industry.

For solid and liquid multivitamin and monovitamin preparations.

Food and supplement uses may be restricted in certain regions, including North America. The purchaser is encouraged to check with local regulatory affairs for appropriate end use applications.

Supplemental information:

Storage conditions: Somewhat sensitive to air, heat and humidity.

The product may be stored for 30 months from the date of manufacture in the unopened original container and at a temperature below 25 °C.

The 'best use before' date is printed on the label.

On prolonged storage, a yellow discoloration may occur which, however, does not affect the biological activity.

In aqueous solutions, sodium ascorbate is very susceptible to oxidative decomposition.

Complies with monographie: EP, USP, FCC

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 06. Sep. 2022

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