



Specification

Concerning Product:	
Article number	20760
Trade name / designation / denomination	Ascorbinsäure (Vitamin C) Ascorbic acid / Vitamin C
CAS number	50-81-7
Other names / synonyms	•2-(1,2-dihydroxyethyl)-4,5-dihydroxy-3-furanone; •Vitamin C; •ascorbic acid;
EC number	200-066-2
Customs tariff number / CN code / TARIC	29362700
Molecular weight [g / mol]	176.12
Formula	C ₆ H ₈ O ₆

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance of solution	EP 2.2.2	≤ BY7	
Appearance of solution	EP 2.2.1	clear,	
Appearance	EP	White or almost white, crystalline powder or colorless crystals	
Physical parameter			
Acidity/Alkalinity		(2% in H ₂ O) 2,4 – 2,8	
Acidity/Alkalinity	EP 2.2.3	(5% in H ₂ O) 2,1 – 2,6	
Loss on drying		≤ 0,4	%
Specific Optical Rotation	EP 2.2.7	+20,5 – +21,5	°
Identity			
Assay	EP	99,0 – 100,5	%
Identification	USP	CA: positive	
Identification	EP 2.2.24	IR: complies	
Melting Point (identity)	ChP 0612	~ 190	°C
Impurities			
Heavy Metals (as Pb)		≤ 10	ppm
Oxalate (as anhydros Oxalic Acid)	EP	Impurity E: ≤ 0,2	%
Sulphated ash	EP 2.4.14	≤ 0,1	%
Related substances	EP 2.2.29	C: ≤ 0,15	%
Related substances	EP 2.2.29	D: ≤ 0,15	%
Related substances	EP 2.2.29	total other: ≤ 0,2	%
Related substances	EP 2.2.29	unspecified: ≤ 0,1	%

Residual Solvents			
Residual solvents		Methanol: ≤ 0,3	
Elemental Impurities			
Arsenic (As)		≤ 3	ppm
Copper (Cu)	EP 2.2.23	≤ 5	ppm
Iron (Fe)	EP 2.2.23	≤ 2	ppm
Mercury (Hg)		≤ 1	ppm
Lead (Pb)		≤ 2	ppm
Particle size distribution			
Particles		40 - 80 mesh: ≥ 45	%
Particles		> 40 mesh: ≤ 30	%

Regulatory information:

GMO statement: GMO free

Supplemental information:

Shelf life: 36 Mon.

Complies with monographie: EP/BP/USP/FCC/E300

Packing: 25-kg cardbox with PE liner bag

Regional origin: CN

Usage: Food Additive

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 16. Jul. 2025

LF-Basis: 2025/05 (2025-05-01)

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