



Specification

Concerning Product:	
Article number	50817AEUL
Trade name / designation / denomination	Vitamin C (Ascorbinsäure), EP, USP, E300
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	Specification	Unit
Organoleptic test		
Appearance	white or almost white crystalline powder	
Colour	≤ BY 7	
Physical parameter		
Loss on drying	≤ 0,4	%
pH value	with 2% water solution 2,4 – 2,8	
pH value	with 5% water solution 2,1 – 2,6	
Specific Optical Rotation	20,5 – 21,5	°
Solubility	in water: easily soluble	
Identity		
Assay	99.0 – 105	%
Identification	Positive Reaction	
Melting Point (identity)	≤ 190	°C
Impurities		
Residue on ignition	≤ 0,1	%
Heavy Metals (as Pb)	≤ 10	ppm
Oxalate (as anhydros Oxalic Acid)	≤ 0,2	%
Impurity	≤ 0,2	%
Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Cadmium (Cd)	≤ 1	ppm
Copper (Cu)	≤ 5	ppm
Iron (Fe)	≤ 2	ppm
Mercury (Hg)	≤ 1	ppm
Lead (Pb)	≤ 1	ppm
Microbiological data		
Escherichia Coli.	Negative	CFU/g
Salmonella	Negative	
Staphylococcus Aureus	Negative	
Total Plate Count	≤ 1,000	CFU/g
Yeast and Mould	≤ 100	CFU/g

Regulatory information:

Allergens statement: Allergen free

GMO statement: Non-GMO

Supplemental information:

Shelf life: 36 month

Storage conditions: Packed in paper-drums and two plastic-bags inside, 25 kg/drum. Keep in cool

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 29. Apr. 2020

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