



Specification

Concerning Product:	
Article number	50817TLY
Trade name / designation / denomination	L-Ascorbinsäure (Vitamin C), E 300, kris
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		
Colour	white to off-white	
Physical parameter		
Form	crystalline powder	
Loss on drying	in vacuum over sulphuric acid, 24 h: ≤ 0,4	%
pH value	(2% in H ₂ O) 2,4 – 2,8	
Specific Optical Rotation	[α _D ²⁰] 10% in H ₂ O: + 20,5 – + 21,5	°
Melting range	with decomposition: 189,0 – 193,0	°C
Identity		
Assay	99,0 – 100,5	%
Identification	complies	
Impurities		
Sulphated ash	≤ 0,1	%
Elemental Impurities		
Arsenic (As)	≤ 3	ppm
Mercury (Hg)	≤ 1	ppm
Lead (Pb)	≤ 2	ppm
Particle size distribution		
Particles	40 - 80 mesh	

Supplemental information:

Shelf life: 3 years

Derivation: fermentation of glucose out of corn starch

Storage conditions: Keep in tightly closed original sealed packing in a cool, clean and dry place, away from direct sunlight and water.

Packing: 25-kg cardboard with PE liner bag

Usage: Category: Nutritional additives (Cat. 3), Functional group: Vitamins, pro- vitamins and chemically well-defined substances having similar effect (a)
Category: Technological additives (Cat. 1), Functional group: Antioxidants (b)

Conclusion: Complies with the purity criteria for the specified product according to regulation (EU) No 231/2012 as well as with regulation (EC) No 1333/2008 and regulation (EC) No 1831/2003. Results and methods as outlined in JECFA description of methods.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 29. Jan. 2020

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