



Spezifikation

Produktbezug:	
Produktnummer	20760
Handelsname / Bezeichnung	Ascorbinsäure (Vitamin C) Ascorbic acid / Vitamin C
CAS Nummer	50-81-7
Andere Bezeichnungen / Synonyme	•2-(1,2-dihydroxyethyl)-4,5-dihydroxy-3-furanone; •3-Oxo-L-gluconsäure-gamma-lacton; •Ascorbinsäure; •L(+)-Ascorbinsäure; •Vitamin C; •ascorbic acid;
EG Nummer	200-066-2
Zolltarifnummer / CN-Code	29362700
Molekulargewicht [g/mol]	176.12
Formel	C ₆ H ₈ O ₆

Parameter	Test Method	Specification	Unit
Sensorische Prüfung			
Aussehen der Lösung	EP 2.2.2	≤ BY7	
Aussehen der Lösung	EP 2.2.1	klar,	
Aussehen	EP	Weißes oder fast weißes, kristallines Pulver oder farblose Kristalle	
Physikalische Parameter			
Säuregehalt		(2% in H ₂ O) 2,4 – 2,8	
Säuregehalt	EP 2.2.3	(5% in H ₂ O) 2,1 – 2,6	
Trocknungsverlust		≤ 0,4	%
Spezifische optische Drehung	EP 2.2.7	+20,5 – +21,5	°
Identifikation			
Gehalt	EP	99,0 – 100,5	%
Identifizierung	USP	CA: positiv	
Identifizierung	EP 2.2.24	IR: entspricht dem Referenzspektrum	
Schmelzpunkt (Identität)	ChP 0612	~ 190	°C
Verunreinigungen			
Schwermetalle (als Pb)		≤ 10	ppm
Oxalate (als wasserfreie Oxalsäure)	EP	Verunreinigung E: ≤ 0,2	%
Sulphatasche	EP 2.4.14	≤ 0,1	%
Verwandte Substanzen	EP 2.2.29	C: ≤ 0,15	%
Verwandte Substanzen	EP 2.2.29	D: ≤ 0,15	%
Verwandte Substanzen	EP 2.2.29	gesamt andere: ≤ 0,2	%
Verwandte Substanzen	EP 2.2.29	unspezifiziert: ≤ 0,1	%

Restlösemittel			
Restlösemittel		Methanol: ≤ 0,3	
Elementare Verunreinigungen			
Arsen (As)		≤ 3	ppm
Kupfer (Cu)	EP 2.2.23	≤ 5	ppm
Eisen (Fe)	EP 2.2.23	≤ 2	ppm
Quecksilber (Hg)		≤ 1	ppm
Blei (Pb)		≤ 2	ppm
Partikelgrößenverteilung			
Partikel		40 - 80 mesh: ≥ 45	%
Partikel		> 40 mesh: ≤ 30	%

Regulatorische Informationen:

GVO Hinweis: GMO frei

Zusätzliche Angaben:

Mindesthaltbarkeit: 36 Mon.

Entspricht der Monographie: EP/BP/USP/FCC/E300

Verpackung: 25-kg-Karton mit PE-Beutel

regionaler Ursprung: CN

Verwendung: Lebensmittelzusatzstoff

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 16. Jul. 2025

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