



Spezifikation

Produktbezug:	
Produktnummer	50215JL80
Handelsname / Bezeichnung	Milchsäure 80 % E 270 Lactic Acid 80 % E 270
CAS Nummer	50-21-5
Andere Bezeichnungen / Synonyme	•2-hydroxypropanoic acid; •Milchsäure; •lactic acid;
EG Nummer	200-018-0
Zolltarifnummer / CN-Code	29181100
Molekulargewicht [g/mol]	90.07794
Formel	C ₃ H ₆ O ₃

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen	farblos, klar – leicht gelbliche Lösung	
Farbe	frisch: ≤ 50	APHA
Farbe	nach 6 Monate @ 25°C: ≤ 50	APHA
Geruch	angenehm	
Physikalische Parameter		
Dichte	20°C: 1,18 – 1,20	g/ml
Unlösliche Anteile	in Ether: ≤ 0,7	%
Löslichkeit	in Wasser und Ethanol: löslich	
Identifikation		
Gehalt	79,5 – 80,5	%
Gehalt	stereochemische Reinheit (L-Isomer) bezogen auf den Gehalt: ≥ 95,0	%
Identifizierung	Test für Laktat: positiv	
Verunreinigungen		
Cyanid	≤ 5	ppm
Schwermetalle (als Pb)	≤ 10	ppm
Leicht carbonisierbare Substanzen	entspricht	
Sulphatasche	≤ 0,1	%
Sulphat (SO ₄)	≤ 20	ppm
Verunreinigung	Test auf reduzierende Zucker (FCC): bestanden	
Verunreinigung	Test auf Zitronensäure, Oxalsäure, Phosphorsäure, Weinsäure: bestanden	
Verunreinigung	Test auf Zucker: bestanden	
Flüchtige Stoffe	Fettsäuren: entspricht	
Restlösemittel		
Restlösemittel	Methanol: ≤ 0,2	%
Elementare Verunreinigungen		
Arsen (As)	≤ 1	ppm
Calcium (Ca)	≤ 20	ppm
Chloride (Cl)	≤ 10	ppm
Eisen (Fe)	≤ 10	ppm
Quecksilber (Hg)	≤ 1	ppm
Blei (Pb)	≤ 0,5	ppm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 03. Dec. 2019

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