



Spezifikation

Produktbezug:	
Produktnummer	56815VPEUL99,5
Handelsname / Bezeichnung	Glycerin min. 99,5% pflanz.Ph. Eur./E422
CAS Nummer	56-81-5
Andere Bezeichnungen / Synonyme	•Glycerin; •Glycerine; •Glycerol; •glycerol; •propane-1,2,3-triol;
EG Nummer	200-289-5
Zolltarifnummer / CN-Code	29054500
Molekulargewicht [g/mol]	92.09382
Formel	C ₃ H ₈ O ₃

Parameter	Methode	Spezifikation	Einheit
Sensorische Prüfung			
Aussehen der Lösung		klar und farblos	
Aussehen		Klare, farblose und sirupartige Flüssigkeit	
Physikalische Parameter			
Brechungsindex		@ 20°C: 1,470 – 1,475	
Dichte		1,260 – 1,264	g/cm ³
Trocknungsverlust		≤ 2,0	%
Identifikation			
Gehalt		98,0 – 101,0	%
Identifizierung		entspricht	
Verunreinigungen			
Aldehyd		≤ 10	ppm
Glührückstand		≤ 70	ppm
Halogenierte Verbindungen		ppm ≤ 35	
Schwermetalle (als Pb)		≤ 5	ppm
Leicht carbonisierbare Substanzen		ml 0.1M NaOH ≤ 0,2	
Sulphatasche		≤ 0,01	%
Sulphat (SO ₄)		≤ 20	ppm
Verunreinigung	Diethylenglykol	≤ 0,1	%
Verunreinigung	nach Glycerinpeak	≤ 0,5	%
Verunreinigung	vor dem Glycerinpeak	≤ 0,1	%
Verunreinigung	verwandter Substanzen	entspricht	%
Verunreinigung	Fettsäuren und Ester	entspricht	%
Verunreinigung	Elster	ml 0.1M HCl ≥ 8,0	

Elementare Verunreinigungen			
Arsen (As)		≤ 1	ppm
Cadmium (Cd)		≤ 1	ppm
Californium (Cf)		≤ 10	KbE/g
Chloride (Cl)		≤ 10	ppm
Chloride (Cl)	Verbindungen	≤ 30	ppm
Quecksilber (Hg)		≤ 1	ppm
Blei (Pb)		≤ 2	ppm
Nährstoffgehalt			
Zucker		entspricht	
Mikrobiologische Daten			
Gesamtkeimzahl		≤ 100	KbE/g
Schimmel und Hefe		≤ 10	KbE/g

Zusätzliche Angaben:

Entspricht der Monographie: EP, USP, FCC, E422

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 23. Apr. 2020

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