



Specification

Concerning Product:	
Article number	56815VPEUL99,5
Trade name / designation / denomination	Glycerin min. 99,5% pflanz.Ph. Eur./E422
CAS number	56-81-5
Other names / synonyms	•Glycerine; •glycerol; •propane-1,2,3-triol;
EC number	200-289-5
Customs tariff number / CN code / TARIC	29054500
Molecular weight [g / mol]	92.09382
Formula	C ₃ H ₈ O ₃

Parameter	Test Method	Specification	Unit
Organoleptic test			
Colour	APHA	≤ 10	Hazen
Physical parameter			
Refraction index		@ 20°C: 1,470 – 1,475	
Density		1,260 – 1,264	g/cm ³
Loss on drying		≤ 2,0	%
Identity			
Assay		98,0 – 101,0	%
Impurities			
Aldehydes		≤ 10	ppm
Residue on ignition		≤ 70	ppm
Halogenated compounds		ppm ≤ 35	
Heavy Metals (as Pb)		≤ 5	ppm
Sulphated ash		≤ 0,01	%
Sulphates (SO ₄)		≤ 20	ppm
Impurity	Diethylenglykol	≤ 0,1	%
Impurity	nach Glycerinpeak	≤ 0,5	%
Impurity	Elster	ml 0.1M HCl ≥ 8,0	
Elemental Impurities			
Arsenic (As)		≤ 1	ppm
Cadmium (Cd)		≤ 1	ppm
Californium (Cf)		≤ 10	KbE/g
Chlorides (Cl)		≤ 10	ppm
Chlorides (Cl)	Verbindungen	≤ 30	ppm
Mercury (Hg)		≤ 1	ppm
Lead (Pb)		≤ 2	ppm

Nutritional data			
Sugar		entspricht	
Microbiological data			
Total Plate Count		≤ 100	KbE/g
Yeast and Mould		≤ 10	KbE/g

Supplemental information:

Derivation: rein Pflanzlich

Complies with monographie: EP, USP, FCC, E422

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 23. Apr. 2020

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