



Specification

Concerning Product:	
Article number	56815HPEL99
Trade name / designation / denomination	Glycerin 99,5% EP, 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			
Appearance		Clear, colorless and odorless liquid (viscous)	
Appearance	2.2.1/2.2.2	entspricht	
Colour	ISO 6271	≤ 10	ALPHA
Physical parameter			
Acidity/Alkalinity	0496	≤ 0,2	ml
Refraction index	2.2.6	20°C 1,470 – 1,475	
Density	EN ISO 12185	20°C ≥ 1,260	
Loss on drying	2.5.12	≤ 0,5	%
Identity			
Assay	0496	99,5 – 101,0	%
Identification	0496	A, C, D entspricht	
Impurities			
Aldehydes	0496	≤ 10	ppm
Halogenated compounds	0496	≤ 35	ppm
Sulphated ash	2.4.14	≤ 0,01	%
Impurity	2.2.28	A, (Diethylenglycol) ≤ 0,1	%
Impurity	2.2.28	Fläche Peaks R (t) < Glycerin ≤ 0,5	%

Impurity	2.2.28	Fläche Peaks R (t) < Glycerin ≤ 0,1	%
Impurity	2.2.28	A, verwandte Substanzen entspricht	
Impurity	0496	Ester ≥ 8	ml
Elemental Impurities			
Arsenic (As)	EN ISO 11885	≤ 3	mg/kg
Chlorides (Cl)	2.4.4	≤ 10	ppm
Mercury (Hg)	EN ISO 1483	≤ 1	mg/kg
Lead (Pb)	EN ISO 11885	≤ 2	mg/kg
Nutritional data			
Sugar	0496	negativ	

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 20. Aug. 2019

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