



## Spezifikation

Produktbezug:	
Produktnummer	56815HPEL99
Handelsname / Bezeichnung	Glycerin 99,5% EP, 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 <sub>3</sub> H <sub>8</sub> O <sub>3</sub>

Parameter	Test Method	Specification	Unit
<b>Sensorische Prüfung</b>			
Aussehen der Lösung	Ph. Eur.	entspricht	
Aussehen	visuell	Klare, farb- und geruchlose Flüssigkeit (viskos)	
Farbe	ISO 6271	≤ 10	APHA
<b>Physikalische Parameter</b>			
Brechungsindex	VO 231/2012**	1,471 – 1,474	
Dichte	Ph. Eur.	1,258 – 1,268	g/ml
Wassergehalt	Ph. Eur.	≤ 0,5	%
Sauer reagierende Substanzen	Ph. Eur.	≤ 0,2	ml
<b>Identifikation</b>			
Gehalt	Ph. Eur.	99,5 – 101,0	%
Identifizierung	Ph. Eur.	entspricht	
<b>Verunreinigungen</b>			
Aldehyd	Ph. Eur.	≤ 10	ppm
Halogenierte Verbindungen	VO 231/2012**	≤ 35	ppm
Sulphatasche	Ph. Eur.	≤ 0,01	%

Verunreinigung	VO 231/2012**	3-Monochlorpropan-1,2- diol (3-MCPD) ≤ 0,1	mg/kg
Verunreinigung	Ph. Eur.	A: Diethylenglycol ≤ 0,1	%
Verunreinigung	VO 231/2012**	Acrolein ***: entspricht	%
Verunreinigung	VO 231/2012**	Butanetriol ***: ≤ 0,2	%
Verunreinigung	Ph. Eur.	Ester ≥ 8	ml
Verunreinigung	Ph. Eur.	Zucker: negativ	
Verwandte Substanzen	Ph. Eur.	(A): jede Verunreinigung mit einer Retentionszeit < Retentionszeit von Glycerin ≤ 0,1	
Verwandte Substanzen	Ph. Eur.	(A): Σ Verunreinigungen mit Retentionszeit > Retentionszeit von Glycerin ≤ 0,5	
<b>Elementare Verunreinigungen</b>			
Arsen (As)	VO 231/2012**	≤ 0,1	mg/kg
Cadmium (Cd)	VO 231/2012**	≤ 0,1	mg/kg
Chloride (Cl)	Ph. Eur.	≤ 10	ppm
Quecksilber (Hg)	VO 231/2012**	≤ 0,1	mg/kg
Blei (Pb)	VO 231/2012**	≤ 0,1	mg/kg

### Zusätzliche Angaben:

**Hinweis:** Ph. Eur. = gemäß aktueller Version

\* gemäß aktueller Version

\*\* entspricht der VO 2023/1329

\*\*\* gemäß aktuellem Testplan

Chemische Werke Hommel GmbH & Co.KG

*Dieses Dokument wurde elektronisch erzeugt und ist ohne Unterschrift gültig.*

Waltrop, 16. Oct. 2025

LF-Basis: (2025-10-09)

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts off the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.