



## Spezifikation

Produktbezug:	
Produktnummer	56406V01
Handelsname / Bezeichnung	Glycin (98,5-101,5%, USP, Food Grade)
CAS Nummer	56-40-6
Andere Bezeichnungen / Synonyme	•2-aminoacetic acid; •Aminoessigsäure; •Glycin; •Glycine; •aminoacetic acid; •glycine;
EG Nummer	200-272-2
Zolltarifnummer / CN-Code	29224985
Molekulargewicht [g/mol]	75,07
Formel	C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>

Parameter	Specification	Unit
<b>Sensorische Prüfung</b>		
Aussehen der Lösung	klar und nicht farbintensiver als die Referenzlösung Y7	
Aussehen	weißer, kristalliner Feststoff	
<b>Physikalische Parameter</b>		
Trocknungsverlust	≤ 0,2	%
pH-Wert	5,9 – 6,4	
Löslichkeit	frei löslich in Wasser, sehr schwer löslich in Ethanol (96%). Es zeigt Polymorphismus	
<b>Identifikation</b>		
Gehalt	98,5 – 101,5	%
Identifizierung	A, B, C: entspricht	
<b>Verunreinigungen</b>		
Ammonium	≤ 0,2	%
Glührückstand	≤ 0,1	%
Schwermetalle (als Pb)	≤ 10	ppm
Sulphatasche	≤ 0,1	%
Verunreinigung	B: ≤ 0,10	%
Verunreinigung	Gesamt Ninhydrin-positive Substanzen: ≤ 1,0	%
Verunreinigung	H: ≤ 10	%
Verunreinigung	I: ≤ 0,10	%
Verunreinigung	total: ≤ 0,2	%

<b>Elementare Verunreinigungen</b>		
Arsen (As)	≤ 1	ppm
Cadmium (Cd)	≤ 0,1	ppm
Chloride (Cl)	≤ 75	ppm
Quecksilber (Hg)	≤ 0,1	ppm
Blei (Pb)	≤ 2	ppm
<b>Mikrobiologische Daten</b>		
Aerobe Mikroorganismen	Anzahl Aerober Platten ≤ 10	CFU/g
Escherichia Coli.	≤ 10	CFU/g
Enterobacteriaceae	neg./10g	
Listeria Monocytogen	neg. in 25g	
Salmonellen	neg. in 25 g	
Staphylococcus Aureus	neg. in 25g	
Schimmel und Hefe	≤ 10	CFU/g

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 10. Jan. 2025

LF-Basis: (2023-06-06)

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