



## Spezifikation

<b>Produktbezug:</b>	
Produktnummer	6106043AL
Handelsname / Bezeichnung	Mononatrium L-Glutamate, EP
CAS Nummer	6106-04-3
Andere Bezeichnungen / Synonyme	•L(+)-Glutamic acid monosodium salt monohydrate (Sodium Glutamate); •L-Glutamic acid, sodium salt, hydrate (1:1:1); •Mononatriumglutamat; •Natrium-L-glutamat-Monohydrat; •sodium (4S)-4-amino-5-hydroxy-5-oxopentanoate hydrate;
EG Nummer	612-072-6
Molekulargewicht [g/mol]	187.12637
Formel	C <sub>5</sub> H <sub>10</sub> NNaO <sub>5</sub>

Parameter	Spezifikation	Einheit
<b>Sensorische Prüfung</b>		
Aussehen	Weißer, praktisch geruchloser Kristalle oder kristallines Pulver.	
<b>Physikalische Parameter</b>		
Trocknungsverlust	≤ 0,5	%
pH-Wert	6,7 – 7,2	
Spezifische optische Drehung	24,8 – 25,3	°
Löslichkeit	Gut wasserlöslich; praktisch unlöslich in Ethanol oder Ether	
optische Durchlässigkeit	(410 nm) ≥ 98	%
<b>Identifikation</b>		
Gehalt	99,0 – 100,5	%
Identifizierung	Positiver Test auf Glutaminsäure: Besteht den Test	
Identifizierung	Positiver Test auf Natrium: Besteht den Test	
<b>Verunreinigungen</b>		
Schwermetalle (als Pb)	≤ 10	mg/kg
Sulphat (SO <sub>4</sub> )	≤ 300	mg/kg
Verunreinigung	Positive Ninhydrin-substanzen: Keine	
Verunreinigung	Pyrolidone carboxylic acid ≤ 0,2	%
<b>Elementare Verunreinigungen</b>		
Arsen (As)	≤ 1,5	mg/kg
Chloride (Cl)	≤ 400	mg/kg
Blei (Pb)	≤ 1	mg/kg
<b>Mikrobiologische Daten</b>		
Kolibakterien	≤ 10	
Salmonellen	nicht nachweisbar in 25 g	
Gesamtkeimzahl	≤ 5000	CFU/g
Schimmel und Hefe	≤ 100	CFU/g

**Zusätzliche Angaben:**

**Mindesthaltbarkeit:** 5 Jahre

**Lagerbedingungen:** An einem sauberen, gut belüfteten Ort aufbewahren, Feuchtigkeit und übermäßige Temperaturen vermeiden, von geruchsintensiven Stoffen fernhalten.

**Verpackung:** Große Taschen, Taschen oder per Massengutfrachter.

**regionaler Ursprung:** FR

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 18. Dec. 2019

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