



## Spezifikation

Produktbezug:	
Produktnummer	22839470VEUL
Handelsname / Bezeichnung	Aspartame, FCC/EP/USP-NF/E951
CAS Nummer	22839-47-0
Andere Bezeichnungen / Synonyme	•3-amino-4-[(1-methoxy-1-oxo-3-phenylpropan-2-yl)amino]-4-oxobutanoic acid; •3-amino-N-(?-carbomethoxy-phenethyl)-succinamic acid-N-methyl ester; •3-amino-N-(α-carbomethoxy-phenethyl)-succinamic acid-N-methyl ester; •Aspartam; •N-L-?Aspartyl-L-Phenylalanine-1-methyl ester; (3S)-3-Amino-4-[[[(2S)-1-methoxy-1-oxo-3-phenylpropan-2-yl]amino]-4-oxobutanoic acid; •N-L-αAspartyl-L-Phenylalanine-1-methyl ester; (3S)-3-Amino-4-[[[(2S)-1-methoxy-1-oxo-3-phenylpropan-2-yl]amino]-4-oxobutanoic acid; •aspartame;
EG Nummer	245-261-3
Zolltarifnummer / CN-Code	29242998
Molekulargewicht [g/mol]	294.30312
Formel	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub>

Parameter	Spezifikation	Einheit
<b>Sensorische Prüfung</b>		
Aussehen der Lösung	Conform to EP	
Aussehen	weißes, kristallines Pulver oder Granulat	
<b>Physikalische Parameter</b>		
Trocknungsverlust	≤ 4,5	%
pH-Wert	4,5 – 6,0	
Spezifische optische Drehung	14,5 – 16,5	°
Löslichkeit	in Wasser: schwer löslich	
optische Durchlässigkeit	≥ 95	%
<b>Identifikation</b>		
Gehalt	(105°C,4h) 98,0 – 102,0	%
Identifizierung	Anforderungen erfüllt	
<b>Verunreinigungen</b>		
Glührückstand	( Sulphate Ash) ≤ 0,2	%
Schwermetalle (als Pb)	≤ 10	ppm
Verunreinigung	Diketopiperazine(A) (5-benzyl-3,6-dioxo-2-Poperazineacetic acid) ≤ 1,5	%
Verwandte Substanzen	≤ 2,0	% [w/w]
<b>Elementare Verunreinigungen</b>		
Arsen (As)	≤ 3	ppm
Blei (Pb)	≤ 1	ppm
<b>Nährstoffgehalt</b>		
L-Phenylalanin	≤ 0,5	%

### Zusätzliche Angaben:

**Mindesthaltbarkeit:** 3 Jahre

**regionaler Ursprung:** CN

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 12. Sep. 2019

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