



Spezifikation

Produktbezug:	
Produktnummer	22839470BPEUJLY
Handelsname / Bezeichnung	Aspartame Granules, EP, USP, JP, FCC
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 ₁₄ H ₁₈ N ₂ O ₅

Parameter	Methode	Spezifikation	Einheit
Sensorische Prüfung			
Aussehen der Lösung	EP	Klar	
Physikalische Parameter			
Leitfähigkeit	EP	≤ 30	μS/cm
Trocknungsverlust	FCC/JSFA /EU/JECFA	≤ 4,5	%
pH-Wert	FCC/JSFA /EU/JECFA	4.5 – 6.0	
Spezifische optische Drehung	FCC/JSFA /EU/JECFA	14,5 – 16,5	°
Schüttdichte	HS	0,6 – 0,1	kg/l
optische Durchlässigkeit	EU/JECFA	≥ 95,0	%
Identifikation			
Gehalt	FCC	HPLC 98.0 – 102.0	%
Gehalt	JSFA/EU/JECFA	Titration 98,0 – 102.0	%
Infrarot Spektroskopie	FCC/JSFA	entspricht dem Standard	

Verunreinigungen			
Glührückstand	FCC/JSFA	≤ 0,2	%
Schwermetalle (als Pb)	EP	≤ 10	mg/kg
Verwandte Substanzen	USP/EP	≤ 2,0 ,1,5	%
Restlösemittel			
Restlösemittel	HS	entspricht den Anforderungen	
Elementare Verunreinigungen			
Arsen (As)	EP	≤ 3	mg/kg
Blei (Pb)	HS	≤ 1	mg/kg
Nährstoffgehalt			
L-Phenylalanin	EP	≤ 0,5	g/100g
Mikrobiologische Daten			
Kolibakterien	HS	≤ 10	
Escherichia Coli.	HS	negativ	
Schimmel und Hefe	HS	≤ 100	CFU/g
Partikelgrößenverteilung			
Partikel	HS	Größe auf 250 µm (60 Mesh) 80 – 100	%
Partikel	HS	Größe auf 850 µm (20 Mesh) ≤ 3	%
Partikel	HS	Größe bis 180 µm (80 Mesh) ≤ 3,5	%
Partikel	HS	size on 250µm(60 Mesh) 80 – 100	%
Partikel	HS	size on 850µm(20 Mesh) ≤ 3	%
Partikel	HS	size through180µm(80 Mesh) ≤ 3,5	%

Zusätzliche Angaben:

Mindesthaltbarkeit: 5 Jahre

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 26. Jun. 2020

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