



Specification

Concerning Product:	
Produktnummer	22839470YPULY
Handelsname / Bezeichnung	Aspartame Fine Granular, FCC, USP
CAS Nummer	22839-47-0
Andere Bezeichnungen / Synonyme	aspartame Aspartam
EG Nummer	245-261-3
Zolltarifnummer / CN-Code	29242998
Molekulargewicht [g/mol]	294.30312
Formel	C ₁₄ H ₁₈ N ₂ O ₅

Parameter	Test Method	Specification	Unit
Sensorische Prüfung			
Aussehen	FCC/USP/E951	weißes, kristallines Pulver	
Physikalische Parameter			
Schüttdichte		0,4 – 0,6	g/ml
Trocknungsverlust	FCC/USP /EP/GB/E951	≤ 4,5	%
pH-Wert	FCC/USP /EP/GB/E951	(in 0,8%): 4,5 – 6	
Spezifische optische Drehung	FCC/USP /EP/GB/E951	+14,5 – +16,5	°
optische Durchlässigkeit	USP/GB/E951	≥ 95	%
Identifikation			
Gehalt	FCC/USP /EP/GB/E951	(dry) 98 – 102	%
Identifizierung	USP/E951	entspricht	
Verunreinigungen			
Glührückstand	FCC/USP /EP/GB/E951	≤ 0,2	%
Schwermetalle (als Pb)	USP/EP/E951	≤ 10	ppm
Verunreinigung	FCC/USP /EP/GB/E951	Diketopiperazine (5-Benzy1-3,6-Dioxo-2-Piperazineacetic Acid): ≤ 1,5	%
Verunreinigung	EP	L-phenylalanine: ≤ 0,5	%

Verwandte Substanzen	USP/EP /GB/E951	andere gesamt: ≤ 1,5	%
Elementare Verunreinigungen			
Arsen (As)	FCC/USP /EP/E951	≤ 3	ppm
Blei (Pb)	FCC/USP /EP/GB/E951	≤ 1	ppm
Mikrobiologische Daten			
Kolibakterien		≤ 3	MPN/g
Escherichia Coli.		Negative	CFU/g
Salmonellen		Negative	CFU/g
Gesamtkeimzahl		≤ 250	CFU/g
Schimmel und Hefe		≤ 100	CFU/g
Partikelgrößenverteilung			
Partikel		60-100 mesh: ≤ 100	%

Anmerkung:

FCC= Food Chemical Codex
EP= European Pharmacopoeia
USP= US Pharmacopoeia
GB= National Standard of P.R.C

Zusätzliche Angaben:

Freigabe des Herstellers:
2015-06-12

regionaler Ursprung:
CN

Zusammenfassung:
Entspricht den Monographien von FCC9/USP-NF33/E951.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 31. Jul. 2018

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