



Spezifikation

Produktbezug:	
Produktnummer	147853SLU
Handelsname / Bezeichnung	L-Prolin (98,5-101,5%, Food, FCC, USP)
CAS Nummer	147-85-3
Andere Bezeichnungen / Synonyme	•(2S)-2-pyrrolidinecarboxylic acid; •2-Pyrrolidinecarboxylic acid; •D-PROLINE; •D-Proline; •D-Proline [344-25-2]; •D-Pyrrolidine-2-carboxylic acid; •D-proline; •DL-PROLINE; •DL-Proline; •DL-Proline [609-36-9];
EG Nummer	205-702-2
Zolltarifnummer / CN-Code	29339980
Molekulargewicht [g/mol]	115.13046
Formel	C ₅ H ₉ NO ₂

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen	weißer oder fast weißer kristalliner Feststoff	
Physikalische Parameter		
Trocknungsverlust	≤ 0,4	%
pH-Wert	5,9 – 6,9	
Spezifische optische Drehung	-84,0 – -86,3	°
Identifikation		
Gehalt	98,5 – 101,5	%
Identifizierung	IR: entspricht	
Verunreinigungen		
Glührückstand	≤ 0,4	%
Schwermetalle (als Pb)	≤ 15	ppm
Sulphat (SO ₄)	≤ 0,02	%
Verunreinigung	gesamt ≤ 2,0	%
Verunreinigung	sonstige ≤ 0,5	%
Elementare Verunreinigungen		
Arsen (As)	≤ 1	ppm
Cadmium (Cd)	≤ 1	ppm
Chloride (Cl)	≤ 0,02	%
Eisen (Fe)	≤ 30	ppm
Quecksilber (Hg)	≤ 0,1	ppm
Blei (Pb)	≤ 3	ppm
Mikrobiologische Daten		
Kolibakterien	≤ 50	MPN/g
Salmonellen	neg. in 10 g	
Gesamtkeimzahl	≤ 1000	CFU/g
Schimmel und Hefe	≤ 100	CFU/g

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 08. Jul. 2024

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