

Certificate of Analysis

Description	L-Asparagine 1-hydrate <i>L-Asparagine</i>
Product number	A3721
CAS number	5794-13-8
Formula	C ₄ H ₈ N ₂ O ₃ · H ₂ O
Molecular weight	150.14 g/mol
Storage	RT
Lot number	1D013862
QC-release date	28.09.2021
Retest date	09.2026
Version No.	1
Version Date	01.01.2018

Parameter	Specification	Analysis
Appearance	white crystalline powder or colorless crystals	white crystalline powder
Assay (titr.)	min. 99 %	99.6 %
Heavy metals (as Pb)	max. 0.001 %	£ 0.001 %
α _{20°C/D} ; 10 %, 3 M HCl	+33.7° - +36°	+34.0°
Other amino acids	max. 0.5 %	£ 0.5 %
Ammonium	max. 0.1 %	£ 0.1 %
Chloride	max. 0.02 %	£ 0.02 %
Sulfate	max. 0.02 %	£ 0.02 %
A (1 cm/0.1 M in HCl)		
260 nm	max. 0.2	0.006
280 nm	max. 0.1	0.003

- All amino acids from AppliChem are of non-animal origin!

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We hereby guarantee that this product was manufactured by a synthetic method, the raw material is not of animal origin and during the manufacturing process no material of animal origin is used.