



CERTIFICATE OF ANALYSIS

Product : **ASPARAGINE MONOHYDRATE (L-)**
Product number : A0725
Batch number : 018565
Date of manufacturing : 19-10-2021
Expiry date : 31-10-2025

Packaging and storage : store at room temperature in a well-closed container

	SPECIFICATION	RESULT	UNITS
Appearance	white crystals or crystalline powder	complies	
pH	4.4 – 6.4	4.6	
Specific optical rotation	+34.3 – +36.5	+35.1	°
Loss on drying	11.5 – 12.5	11.9	%
Chloride (Cl)	≤ 200	< 200	ppm
Iron (Fe)	≤ 0.001	< 0.001	%
Transmittance	≥ 98.0	99.0	%
Sulphate (SO ₄)	≤ 200	< 200	ppm
Residue on ignition	≤ 0.10	0.02	%
Arsenic (As)	≤ 1	< 1	ppm
Heavy metals	≤ 10	< 10	ppm
Ammonium (NH ₄)	≤ 0.10	< 0.10	%
Assay	99.0 – 101.0	99.77	%

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist
Department of Quality Control Duchefa B.V.

Date: 07-06-2024

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.