

CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-Asparagine monohydrate
CAS NO.: 5794-13-8
BATCH NO.: 25/MFM/3208
Molecular Weight: 150.14
EXPIRY DATE: 24th September 2032
STORAGE TEMP: + 20°C

TESTS	SPECS	RESULTS
Appearance	White crystalline powder	Conforms
Assay	99.0 to 101.0%	99.8%
Residue on ignition	<= 0.1%	Conforms
Ammonia (NH ₄)	<= 0.01%	Conforms
Chloride (Cl)	<= 0.02%	Conforms
Sulphate (SO ₄)	<= 0.02%	Conforms
Iron (Fe)	<= 10 ppm	Conforms
Arsenic (As)	<= 1ppm	Conforms
Heavy metals	<= 10ppm	Conforms
Mercury (Hg)	<= 0.1ppm	Conforms
Cadmium (Cd)	<= 1ppm	Conforms
Loss on Drying	11.5 – 12.5%	12.0%
pH	4.4 to 6.4	4.6
Specific Optical Rotation	34.2 to 36.5°	35.1°
Transmittance	>= 98.0% (430 nm)	99.0%
Specification	Conforms to AJI	Conforms to AJI

This document was generated electronically and is therefore valid without signature.
 Formedium Ltd products are supplied for Research Purposes only.

17th September 2025