

CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-Asparagine monohydrate
 CAS NO.: 5794-13-8
 BATCH NO.: 18/MFM/2169
 Molecular Weight: 150.14
 EXPIRY DATE: 07 March 2024
 STORAGE TEMP: + 20°C

TESTS	SPECS	RESULTS
Appearance	White crystalline powder	Conforms
Assay	99.0 to 101.0%	99.3%
Residue on ignition	<= 0.1%	0.078%
Ammonia (NH4)	<= 0.01%	Conforms
Chloride (Cl)	<= 0.02%	Conforms
Sulphate (SO4)	<= 0.02%	Conforms
Iron (Fe)	<= 10 ppm	Conforms
Arsenic (As)	<= 1ppm	Conforms
Heavy metals	<= 10ppm	<= 2ppm
Mercury (Hg)	<= 0.1ppm	Conforms
Cadmium (Cd)	<= 1ppm	Conforms
Loss on Drying	11.5 – 12.5%	11.8%
pH	4.4 to 6.4	4.7
Specific Optical Rotation	34.2 to 36.5°	34.8°
Transmittance	>= 98.0% (430 nm)	98.7%
Specification	Conforms to AJI	Conforms to AJI

* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:



Date: 26 JULY 2018

For and on behalf of
FORMEDIUM Ltd, Unit 1B
 Hunstanton Commercial Park
 PE36 5JQ England

(Handwritten signature)
 (Authorised Signature)