

CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-Aspartic Acid
 CAS NO. 56-84-8
 BATCH NO. 18/MFM/2139
 MANUFACTURING DATE: April 2017
 RE-TEST DATE: August 2024
 MOLECULAR FORMULA: C4H7NO4
 MOLECULAR WEIGHT: 133.10
 STORAGE TEMP: + 20°C

TESTS	SPECS	RESULTS
Physical Description	White Crystalline Powder	Conforms
Loss on drying	<= 0.5%	0.04%
Chloride (Cl)	<= 200 ppm	Conforms
Sulphate (SO4)	<= 300 ppm	Conforms
Ammonium (NH4)	<= 200 ppm	Conforms
Ninhydrin-positive substances	To pass test	Conforms
Lead (Pb)	<= 3 ppm	Conforms
Mercury (Hg)	<= 0.1 ppm	Conforms
Cadmium (Cd)	<= 1 ppm	Conforms
Iron (Fe)	<= 10 ppm	Conforms
Arsenic (As)	<= 1 ppm	Conforms
Sulphated Ash	<= 0.1%	0.07%
Specific optical rotation	24.0 – 26.0°	25.3°
Assay	98.5 – 101.5%	99.5%
Pharmacopoeia Specification(s)	EP	Conforms to EP

* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:

[Signature]
 For and on behalf of
 FORMEDIUM Ltd, Unit 1B
 Hunstanton Commercial Park
 PE36 5JQ, England
 (Authorised Signature)

Date: 22 JUN 2018