

CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-Aspartic Acid
 CAS NO. 56-84-8
 BATCH NO. 19/MFM/2328
 MANUFACTURING DATE: April 2017
 RE-TEST DATE: August 2024
 MOLECULAR FORMULA: C4H7NO4
 MOLECULAR WEIGHT: 133.10
 STORAGE TEMP: + 20°C

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

[Signature]
 (Authorised Signature)

| 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]*

Date: 26 APR 2019