

CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-ARGININE
CAS NO.: 74-79-3
BATCH NO.: 18/MFM/2247
MOLECULAR WEIGHT: 174.20
EXPIRY DATE: June 2023
STORAGE TEMPERATURE: + 20°C

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

 (Authorised Signature)

TESTS	SPECS	RESULTS
Assay	99.0% - 101.0% (dried basis)	99.8%
Appearance	White or almost white crystalline powder	Complies
Identification	According to EP, USP and AJI	Complies
Solubility (5% in water)	Clear, colourless solution	Complies
Specific Optical Rotation:	EP: 25.5 – 28.5°, USP 26.3 – 27.7°C, AJI: 26.9 – 27.9°	+ 27.4°
pH	10.5 – 12.0	11.0
Loss on Drying	< 0.5%	0.2%
Residue on Ignition	< 0.1%	0.04%
Lead (Pb)	<= 3 ppm	Complies
Chloride (Cl)	< 0.02%	Complies
Sulphate (SO ₄)	< 0.02%	Complies
Heavy Metals (as Pb)	<= 10 ppm	Complies
Iron (Fe)	<= 10 ppm	Complies
Cadmium (Cd)	<= 1 ppm	Complies
Mercury (Hg)	<= 0.1 ppm	Complies
Arsenic (As ₂ O ₃)	<= 1 ppm	Complies
Ninhydrin-positive substances	<= 0.5% (according to EP)	Complies
Ammonium (NH ₄)	<= 0.02%	Complies
Pharmacopoeia specification(s)	EP, USP, AJI	Conforms to EP8, USP39, AJI97

* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by: 

Date: 11 DEC 2018