

CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-ARGININE FOR BIOCHEMISTRY

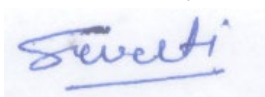
CAS No : 74-79-3
Mol. Formula : $C_6H_{14}N_4O_2$
Mol. WT : 174.20
Date of analysis : 03/07/24

Product code : 21920
Batch No : MCR-31397
Mfd. : July 2024
Exp. : June 2029

S.R	Test	Specification	Observation
1	Description	White to almost white crystals or crystalline powder or granular powder.	White powder.
2	Assay	98.5 – 101.5 %	99.90%
3	Specific rotation $[\alpha]^{20}_D$	+26.3 ⁰ to +27.7 ⁰	+26.99 ⁰
4	Chloride (Cl)	≤ 0.05%	<0.05%
5	Sulphate (SO₄)	≤ 0.03%	<0.03%
6	Iron (Fe)	≤ 0.003%	<0.003%
7	Heavy metals (Pb)	≤ 0.0015%	<0.0015%
8	Residue on ignition	≤ 0.3%	0.15%
9	Organic volatile impurities	Meets the requirements	Passes test

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Swati)**

[QC Incharge]



**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

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