

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	L-Arginine Base USP30
Batch Number	CP0824070801
Manufacturing Date	2024.07.08.
Expiry Date	2027.07.07.
Analysis Date	2024.07.11.

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White crystalline powder	Conforms
Identification A	IR spectrum conforms to RS	Conforms
Specific Rotation $[\alpha]_{D20}$	+26.3° to +27.7°	+27.0°
Loss on drying	≤ 0.5%	0.37%
Residue on ignition	≤ 0.3%	0.07%
Assay	98.5% – 101.5%	98.8%

Heavy Metals

Analysis Item	Specification	Result
Heavy Metals	≤ 0.0015%	<0.001%
Iron	≤ 0.003%	<0.001%

Microbiological Tests

Analysis Item	Specification	Result
Chloride	≤ 0.05%	<0.05%
Sulfate	≤ 0.03%	<0.03%
Chromatographic purity	USP 30 As per USP30(By TLC)	Qualified
Individual Impurity	≤ 0.5%	<0.5%
Total Impurity	≤ 2.0%	<2.0%
Organic volatile impurities	98.5 to 101.5%	98.8%