ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

Product Name	L-Arginine 99%	**CAS No.**	74-79-3
Chemical Name	L-2-Amino-5-guanidinopentanoic acid	**EC No.**	200-811-1
Molecular Formula	C6H14N4O2	**Mol. Weight**	174.20 g/mol
Batch No.	0926	**Packager**	ASES Chemical Works
Mfg. Date	Sep-2026	**Exp. Date**	Aug-2029

S.No.	Test Parameter	Specification	Result
1	Description	Colourless / white crystals	Complies
2	Assay	Min. 99.0%	Complies
3	Heavy metals (as Pb)	Max. 0.001%	Complies
4	Ammonium (NH4)	Max. 0.01%	Complies
5	Solubility in water (% weight)	87.1 g/l at 20 °C (completely soluble)	Complies
6	Specific rotation [α]D20 (C=5 in 5M HCl)	+26.5° ± 0.5°	Complies
7	pH value	10.5 – 12.0	Complies
8	Melting point	222 °C	Complies

Conclusion: The above batch conforms to the specifications stated.

Storage: Store in a tightly closed container in a cool, dry place, away from light and moisture.

Note: Not for medicinal use.

For ASES Chemical Works

Rohan Singhvi
Authorized Signatory

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