

Shine Star (Hubei) Biological Engineering Co., Ltd.

Headquarters: No. 1 Yanjiang Road, Gong An, Jingzhou, Hubei, 434300 P. R .China
Tel: +86-27 8578 6222 Fax: +86-27 8578 6555
E-mail: sales@Shine-Star.com.cn www.Shine-Star.com.cn

SPECIFICATIONS

Product Name: L-Arginine Monohydrochloride

Quality Standard: AJI92 CAS NO.: 1119-34-2

**Description: white crystals or crystalline powder,
slightly characteristic taste**

Solubility (H₂O, g/100g): 73 (20°), 122 (40°), 163 (60°)

Test Items	Limit
Identification	conforms
Specific rotation $[\alpha]^{20}_D$	+22.1° to +22.9°
State of solution	clear and colorless
	not less than 98.0%
Chloride (Cl)	16.58 to 17.00%
Ammonium (NH ₄)	not more than 0.02%
Sulfate (SO ₄)	not more than 0.020%
Iron (Fe)	not more than 10ppm
Heavy metals (Pb)	not more than 10ppm
Arsenic (As ₂ O ₃)	not more than 1ppm
Other amino acids	conforms
Loss on drying	not more than 0.20%
Residue on ignition (sulfated)	not more than 0.10%
Assay	99.0% to 101.0%
pH	4.7 to 6.2

Storage: Preserve in tight containers at controlled room temperature.

Recommended limit: 2 years