

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

CAS NO.: 74-79-3

Quality Standard: AJI92

Description: white crystal or crystalline powder, freely soluble in water

Solubility (H₂O, g/100g): 14.8 (20°), 31.9 (40°), 64.0 (60°)

Test Items	Limit
Identification	conforms
Specific rotation $[\alpha]_D^{20}$	+26.9° to +27.9°
State of solution	clear and colorless
	not less than 98.0%
Chloride (Cl)	not more than 0.020%
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	chromatographically not detectable
Loss on drying	not more than 0.50%
Residue on ignition (sulfated)	not more than 0.10%
Assay	99.0% to 101.0%
pH	10.5 to 12.0

Storage: Preserve in tight containers at controlled room temperature.

Recommended limit: 2 years