

# 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: USP31**

**Characters: white or almost white, crystalline powder or colourless crystals, freely soluble in water**

Test Items	Limit
Identification	as per USP31
Specific rotation	between +26.3° to +27.7°
Loss on drying	not more than 0.5%
Residue on ignition	not more than 0.3%
Chloride	not more than 0.05%
Sulfate	not more than 0.03%
Iron	not more than 0.003%
Heavy metals	not more than 0.0015%
Chromatographic purity	as per USP31
Organic volatile impurities	as per USP31
Residual solvents	as per USP31
Assay	98.5% to 101.5%

**Packaging and storage:**

**Preserve in well-closed containers and protected from light**

**Shelf-life: two years**