

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

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## SPECIFICATIONS

**Product name: L-Arginine**

**CAS no.: 74-79-3**

**Quality standard: EP5**

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

<b>Test Items</b>	<b>Limit</b>
<b>Identification</b>	<b>conforms (as per EP5)</b>
<b>Appearance of solution</b>	<b>clear and not more intensely coloured than reference solution BY<sub>6</sub></b>
<b>Specific optical rotation</b>	<b>+25.5° to +28.5°</b>
<b>Ninhydrin-positive substances</b>	<b>conforms (as per EP5)</b>
<b>Chlorides</b>	<b>≤200ppm</b>
<b>Sulfates</b>	<b>≤300ppm</b>
<b>Ammonium</b>	<b>≤200ppm</b>
<b>Iron</b>	<b>≤10ppm</b>
<b>Heavy metals</b>	<b>≤10ppm</b>
<b>Loss on drying</b>	<b>≤0.5%</b>
<b>Sulphated ash</b>	<b>≤0.1%</b>
<b>Assay</b>	<b>98.5% to 101.0%</b>

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