

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

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## SPECIFICATIONS

**Product name: L-Arginine Hydrochloride**

**Quality standard: EP5 CAS no.: 1119-34-2**

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

Test Items	Limit
Identification	conforms (as per EP5)
Appearance of solution	clear and not more intensely coloured than reference solution BY <sub>6</sub>
Specific optical rotation	+21.0° to +23.5°
Ninhydrin-positive substances	conforms (as per EP5)
Sulphates	≤300ppm
Ammonium	≤200ppm
Iron	≤10ppm
Heavy metals	≤10ppm
Loss on drying	≤0.5%
Sulphated ash	≤0.1%
Assay	98.5% to 101.0%

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