

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

Headquarters: No. 666 Chanling Avenue, Douhudi Town, GongAn, Jingzhou, Hubei, 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- Tyrosine**

**CAS no.: 60-18-4**

**Quality standard: USP33**

**Characters: white crystalline powder or colourless crystals,  
very slightly soluble in water**

<b>Test Items</b>	<b>Limit</b>
<b>Identification</b>	<b>as per USP33</b>
<b>Specific rotation</b>	<b>between -9.8° to -11.2°</b>
<b>Loss on drying</b>	<b>not more than 0.3%</b>
<b>Residue on ignition</b>	<b>not more than 0.4%</b>
<b>Chloride</b>	<b>not more than 0.04%</b>
<b>Sulfate</b>	<b>not more than 0.04%</b>
<b>Iron</b>	<b>not more than 0.003%</b>
<b>Heavy metals</b>	<b>not more than 0.0015%</b>
<b>Chromatographic purity</b>	<b>as per USP33</b>
<b>Assay</b>	<b>98.5% to 101.5%</b>

**Packaging and storage:**

**Preserve in well-closed containers.**