

**CERTIFICATE OF ANALYSIS**

<b>Product Name:</b>	L-Phenylalanine	<b>Batch No.</b>	JL20230517
<b>Cas</b>	63-91-2	<b>MF Date</b>	May. 17, 2023
<b>Packing</b>	25KGS/BAG	<b>Analysis Date</b>	May. 17, 2023
<b>Quantity</b>	5000KGS	<b>Expiry Date</b>	May. 16, 2025
<b>ITEM</b> 分析项目	<b>STANDARD</b> 技术指标	<b>RESULT</b> 实测结果	
<b>Appearance</b>	White crystalline or crystalline powder	Conforms	
<b>Identification</b>	Concordant with the reference spectrum	Conforms	
<b>Specification Rotation</b>	-32.7°~-34.7°	-33.7°	
<b>PH</b>	5.4~6.0	5.73	
<b>Loss on drying,%</b>	≤0.3	0.11	
<b>Residue on ignition,%</b>	≤0.4	0.05	
<b>Chloride (As Cl),%</b>	≤0.05	<0.05	
<b>Sulfate,%</b>	≤0.03	<0.03	
<b>Heavy metals,ppm</b>	≤15	<15	
<b>Arsenic, ppm</b>	≤1	<1	
<b>Lead, ppm</b>	≤3	<3	
<b>Mercury, ppm</b>	<0.1	<0.1	
<b>Cadmium, Ppm</b>	≤1	<1	
<b>Total plant count</b>	≤1000cfu/g	<1000cfu/g	
<b>Yeast &amp; mold</b>	≤100cfu/g	<100cfu/g	
<b>E. Coli</b>	Negative	Conforms	
<b>Salmonella</b>	Negative	Conforms	
<b>Mesh</b>	80mesh	≥80%	
<b>Assay,%</b>	98.5~101.5	99.62	
<b>Conclusion</b>	<b>The goods conforms to USP32 Standard.</b>		

**Analyst: Wen Qian****Quality Assurance Officer: Zhan Peng**