

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	L-Lysine monohydrochloride		
<b>Reference standard</b>	GB 1903.1-2015		
<b>Quantity</b>	600kgs	<b>Package</b>	25kg/bag
<b>Batch Number</b>	20220516	<b>Manufacture Date</b>	20220516
<b>Report Date</b>	20220516	<b>Expiry Date</b>	20240515

Item of Analysis	Specification	Results
Specific optical rotation	+20.3° ~+21.5°	+20.5°
Assay, %	98.5~ 101.5	99.6
Loss on drying,%	≤1.0	0.38
Residue on ignition,%	≤0.2	0.04
Ammonium (as NH <sub>4</sub> ),%	≤0.02	<0.02
Lead (asPb) %	≤0.0005	<0.0005
Transmittance,%	≥95.0	99.4
PH value	5.0~6.0	5.47
Arsenic(as As <sub>2</sub> O <sub>3</sub> ),%	0.0001	<0.0001

Conclusion: The above specifications meet the requirements of GB 1903.1-2015.

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

