



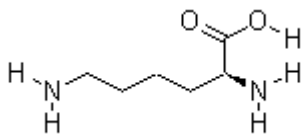
HANGZHOU DINGYAN CHEM CO.,LTD

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## CERTIFICATE OF ANALYSIS

NO: **DYC071805023**

Product name	L(+)-Lysine monohydrochloride
CAS Number	657-27-2;10098-89-2
Molecule Structure	
Molecule Formula	C <sub>6</sub> H <sub>15</sub> C <sub>1</sub> N <sub>2</sub> O <sub>2</sub>
Batch number	201800410
Manuf&Exp. Date	2018-04-10, 2019-04-09
Testing date	2018-04-10
Packing Specification	25KG/Bag

Items	Standard	Result
Description	White crystalline or crystalline powder	White crystalline
Identification	Shall comply with the provisions	Conforms
Specific Optical Rotation	+20.3° - +21.5°	+20.8°
<b>PH</b>	<b>5.0 - 6.0</b>	<b>5.4</b>
<b>The transmittance of the solution</b>	<b>Min95.0%</b>	<b>96.8%</b>
<b>Ash content</b>	<b>Max0.2%</b>	<b>0.1%</b>
<b>Ammonium(NH<sub>4</sub>)</b>	<b>Shall comply with the provisions</b>	<b>Conforms</b>
Arsenic	Max0.0001%	Conforms
Heavy Metals	Max5ppm	Conforms
Loss on drying	Max1.0%	0.3%
Assay	98.5- 101.5%	99.3%
Conclusion	According with the standard, it conformed	

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**QUALITY CONTROL:**

Hangzhou Dingyan Chem Co., Ltd.

Quality Control ..... *Miya.*  
Signature(s)

**CHECK:**姚仙娟

**INSPECTOR:** 刘清风