



## Unilong Industry Co., Ltd

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### CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	L-Cystine	<b>Batch No.</b>	JL20211025
<b>Cas</b>	56-89-3	<b>MF Date</b>	OCT.25,2021
<b>Packing</b>	25KG/BAG	<b>Analysis Date</b>	OCT.25,2021
<b>Quantity</b>	5MT	<b>Expiry Date</b>	OCT.24,2023
<b>Item</b>	<b>Standard</b>		
<b>Assay</b>	98.5~101.5%		
<b>Specific rotation[α]<sub>D20</sub></b>	-215~-225°		
<b>Chloride(Cl)</b>	≤200ppm		
<b>Sulfate(SO<sub>4</sub>)</b>	≤200ppm		
<b>Iron(Fe)</b>	≤10ppm		
<b>Organic Impurities</b>	individual impurity <0.2% total impurities < 2.0%		
<b>Loss on drying</b>	≤0.20%		
<b>Residue on ignition</b>	≤0.10%		
<b>Conclusion</b>	Qualified		

**Analyst:** Wen Qian

**Quality Assurance Officer:** Zhan Peng