



## CERTIFICATE OF ANALYSIS

Product	L-Lysine HCL				
Batch No.	210426	Batch Quantity	1000KG		
Manufacture Date	2021/04/26	Expiry Date	2023/04/25		
<b>Items &amp; Result</b>					
<b>Item</b>	<b>Spec.</b>		<b>Result</b>		
Assay	98.5-101.5%		99.51%		
<b>Physical control</b>					
Appearance	White crystals or crystalline Powder		Conforms		
Loss on drying	≤0.4%		0.22%		
Residue on ignition	≤0.1%		0.06%		
Sulphate(SO4)	≤0.03%		<0.03%		
Iron(as Fe)	≤0.003%		Conforms		
Heavy metals(Pb)	≤0.0015%		Conforms		
Chloride(Cl)	19.0~19.6%		19.36%		
Specific rotation[α] <sub>D</sub> <sup>25</sup>	+20.4° ~+21.4°		+20.93°		
<b>Conclusion:</b> : The product is conforming with the standard of USP36.					
Storage: Cool & dry place. Keep away from strong light and heat.					
Shelf Life	2 years when properly stored				
Analyst	马亮	Review	刘爱琴	Supervisor of QC	李敏