



B I O T E C H

PANGOO BIOTECH HEBEI CO.,LTD.
415,TIANCHENG BUILDING,BEIJING ROAD,
CANGZHOU,HEBEI,CHINA.06001
info@pangooogroup.com
www.pangooogroup.com www.pangoo.biz

Certificate of Analysis

Date: 2018-11-2

Product Name: L-Lysine HCL
CAS: 657-27-2
Batch No.: 43403657-27-2
MFG Date: 2018-10-30
EXP Date: 2020-10-29

Items	Standard	Result
Character	Light yellow granues	Conformed
C ₆ H ₁₄ N ₂ O ₂ ·HCl Content (dry basis)	98.5% min	99.98%
Loss on Drying	1.0% max	Conformed
Residue on Ignition	0.3% max	5.78%
Ammoniumate(as NH ₄ ⁺)	0.04% max	0.21%
Arsenic (as As)	0.0002% max	0.03%
Heavy Metals(as pb)	0.003% max	0.02%
pH	5.0-6.0	0.01%

Conclusion: Conformed to the standard of NY39-1987.

Inspector: Zhang Jiahui

Technical manager: Zhang Peng

QUALIFIED
PANGOO BIOTECH HEBEI CO.,LTD.
Inspection Department