

## Product Specification

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Product Name:	L-Lysine, monohydrochloride
Grade:	USP
Product Code:	LB0171
Formula:	$C_6H_{14}N_2O_2 \cdot HCl$
MW:	182.65
CAS#:	657-27-2

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### Test Items

### Specifications

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Appearance	White crystals or crystalline powder or crystalline particles
Identity (IR)	Conforms to Structure
Assay (on Dry basis)	98.5 – 101.0%
Chloride	19.0 – 19.6%
Residue on Ignition	≤0.10%
Sulfate	≤0.03%
Iron	≤30ppm
Heavy Metals(As Pb)	≤15ppm
Related Compounds	Individual impurity ≤0.5% Total impurities ≤2.0%
Specific Rotation $[\alpha]_D^{25}$	+20.4° - +21.4°
Loss on drying	≤0.40%
Recommended Retest Period:	2 Years

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Storage Condition: 18 – 25°C

*Rev 0*

2 International Business Park Road Strategy #01-04, Singapore(609930)

Tel: (+65) 6954 2519, (+65) 6491 5938

Email: [sg@biobasic-asia.com](mailto:sg@biobasic-asia.com) Web: [www.biobasic-asia.com](http://www.biobasic-asia.com)