

Certificate of Analysis

Product Description: L-Histidine, Free Base
Catalog Number: 101954
Lot: M7651

Formula: C₆H₉N₃O₂
CAS #: 71-00-1
Physical Description: Powder

Formula Weight: 155.16
Storage: Room Temperature

| Test | Specification | Result |
|---------------------------------|----------------------|----------------------|
| Identity Test | Passes | Passes |
| Purity | ≥99% | 99.76% |
| FTIR | Conforms to Standard | Conforms to Standard |
| pH (1% aq soln) | 7.0 - 8.5 | 7.9 |
| Loss on Drying | ≤0.5% | 0.12% |
| Optical Rotation (c=10, 4N HCl) | +11.0° to +13.5° | +12.2° |

Heavy metals: 8 ppm
 Iron: 7 ppm
 Arsenic: <1 ppm
 Residue on ignition: 0.04%
 Chloride: 0.02%
 Sulfate: <0.03%
 Total plate count: <1000 cfu/g
 Yeast & Mold: <100 cfu/g
 Coliforms: Negative
 E.coli & Salmonella: Negative
 Melamine free
 80 Mesh

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09/11/2013 - Christina Marotta
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