



Todo Droga

CERTIFICATE OF ANALYSIS

Product Name: L-Histidine HCL
Batch No.: LC21041301 Manufacture Date: 2022.04.13
CAS No.: 5934-29-2 Report Date: 2022.04.13
QNTY : 250KGS Expiry Date: 2024.04.12

| Item | Limit | Result |
|---|--------------------------------------|-----------|
| Appearance | White crystals or crystalline powder | Qualified |
| Specific Rotation [α] _{D20} | +8.9° to +9.5° | +9.1° |
| State of Solution | 98.0% Min | 98.8% |
| Chloride (Cl) | 16.66% to 17.08% | 16.95%% |
| Ammonium (NH ₄) | 0.02% Max | <0.02% |
| Sulfate (SO ₄) | 0.02% Max | <0.02% |
| Iron (Fe) | 10ppm Max | <10ppm |
| Heavy Metals (Pb) | 10ppm Max | <10ppm |
| Arsenic (As ₂ O ₃) | 1ppm Max | <1ppm |
| Other Amino Acids | Conform | Qualified |
| Loss on Drying | 0.2% Max | 0.15% |
| Residue in Ignition | 0.10% Max | 0.05% |
| Assay | 98.5% to 101.0% | 99.8% |
| PH | 3.5 to 4.5 | 4.0 |

Conclusion: Qualified AJI92

Analyst :Liu Chunmei

Verifier : Yu Daobing