



Certificate of Analysis

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|------------------|------------|-------------|------------|
| Product name | Amino Acid | CAS | 3081-61-6 |
| Batch no. | 20230409 | QTY | 1200kg |
| Manufacture date | 2023-04-09 | Test Date | 2023-04-09 |
| Report Date | 2023-04-09 | Retest date | 2024-04-09 |
| Package | 25kg/drum | Test method | JP2000 |

| Item | Specification | Results |
|-------------------------|---|-----------------|
| Appearance | White or almost white,crystalline powder | Conforms |
| Assay | 98.0-102.0% | 99% |
| Specific rotation(a)D20 | +7.7°-+8.5° | +8.2° |
| Solubility | Clear Colorless | Clear Colorless |
| Chloride(Cl) | ≤0.02% | <0.02% |
| Loss on drying | ≤1.0% | 0.37% |
| Residue on ignition | ≤ 0.2% | 0.12% |
| PH | 5.0~6.0 | 5.8 |
| Heavy metals(Pb) | ≤10ppm | <10ppm |
| Arsenic(As) | ≤1ppm | <1ppm |
| Conclusion | The test results conform to the enterprise standards. | |

Tested by: Meng Xiao

Checked by: Shen Junli

Approved by: He Youguang

