

CERTIFICATE OF ANALYSIS

| | | | |
|---------------------|------------|-------------------------|----------|
| Product Name | L-Arginine | | |
| Standard | AJI92 | | |
| Batch Number | 20220629 | Manufacture Date | 20220629 |
| Report Date | 20220629 | Expiry Date | 20240628 |

| Item of Analysis | Specification | Results |
|---|--|-------------|
| Assay | 98.5-101.5% | 99.0-101.0% |
| Organoleptic | | |
| Appearance | White crystals or crystalline powder | Conforms |
| Odor | Characteristic | Conforms |
| Taste | Characteristic | Conforms |
| Physical Characteristics | | |
| Identification | Infrared absorption spectrum | Conforms |
| Specific optical rotation[a]D 20+ | +26.3 °- +27.7° | Conforms |
| State of solution/Transmittance | ≥98.0% | Conforms |
| Loss on drying | ≤0.50% | ≤0.50% |
| Residue on ignition | ≤0.30% | ≤0.10% |
| pH value | 10.5-12.0 | Conforms |
| Heavy metals | | |
| Heavy metals(Pb) | ≤10PPM | Conforms |
| Chloride (Cl) | ≤0.02% | Conforms |
| Arsenic (As ₂ O ₃) | ≤1PPM | Conforms |
| Iron (Fe) | ≤10PPM | Conforms |
| Ammonium (NH ₄) | ≤0.02% | Conforms |
| Sulfate (SO ₄) | ≤0.02% | Conforms |
| Other amino acids | Chromatographically not detectable | Qualified |
| Organic volatile impurities | Meets the requirements | Qualified |
| Conclusion | This product complies with AJI92 standard. | |

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

