

SHANGHAI FUZHISHENG BIO TECHNOLOGY CO.,LTD

CERTIFICATION OF ANALYSIS

Product Name: L-Arginine Alpha-Ketoglutarate 2:1

Manufacture Date: 2026.05.08

Batch No.: 20260508

Quantity: 1000kg

Report Date: 2026.05.09

Expiry Date: 2028.05.07

| Item | Specification | Result |
|---|--|----------|
| Identification | HPLC | Conforms |
| Appearance | White to yellow crystalline power | Conforms |
| Assay | 98.0% to 102.0% | 100.10% |
| L-Arginine Assay | 65.5 %to 69.0% | 66.34% |
| Alpha Ketoglutarate Assay | 26.5% to 29.0% | 27.46% |
| Specific rotation [α]D20 | + 16.5° to 18.5° | + 18.1° |
| PH | 5.5 to 7.0 | 6.0 |
| Hydrate | Not more than 6.8% | 6.3% |
| Chloride | Not more than 0.05% | 0.03% |
| Loss on drying | Not more than 1.0% | 0.26% |
| Residue on ignition | Not more than 0.20% | 0.10% |
| Heavy metals | Not more than 10ppm | Conforms |
| Arsenic(as As ₂ O ₃) | Not more than 1ppm | Conforms |
| Mercury | Not more than 1ppm | Conforms |
| Cadmium | Not more than 1ppm | Conforms |
| Lead | Not more than 1ppm | Conforms |
| Iron(Fe) | Not more than 10ppm | Conforms |
| Bulk dentisity | Not less than 0.5g/ml | 0.53g/ml |
| Particle size | Thus 30 mesh | 100% |
| Total Plate Count | Not more than 1000cfu/g | Conforms |
| Yeast and Mould | Not more than 100cfu/g | Conforms |
| E.Coli | Negative | Negative |
| Salmonella | Negative | Negative |
| Staphylococcus Aureus | Negative | Negative |
| Melamine and Melamine derivatives | Free | Free |
| Conclusion : | The products Conforms to In-house standard | |

Analysis: chenhong

Verfication: zhaoyan