

Certificate of Analysis

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|-------------------|----------------------|
| Product Name | 1,3-Dihydroxyacetone |
| BatchNo. | BF20230719 |
| Quantity | 1925kg |
| ManufacturingDate | Jan. 19,2024 |
| ExpiryDate | Jan. 18,2026 |
| Date of Analysis | Jan.24,2024 |

| Item | Specification | Result |
|-----------------------|---|--|
| Appearance | White to almost white fine crystalline-free flowing powder. | White to almost white fine crystalline-freeflowingpowder |
| Assay | 98.0-102% | 100.1% |
| Identity(IR-spectrum) | Conforms | Conforms |
| Appearanceofsolution | Clear | Conforms |
| Water | ≤0.2% | 0.08% |
| pH(5%) | 4-6 | 6.0 |
| Glycerol(TLC) | ≤0.5% | Conforms |
| Protein(colorimetric) | ≤0.1% | Conforms |
| Iron | ≤20ppm | Conforms |
| Formicacid | ≤30ppm | Conforms |
| Sulfatedashed(600°C) | ≤0.1% | Conforms |
| Lead | ≤10mg/kg | <10mg/kg |
| Arsenic | ≤2mg/kg | <2mg/kg |
| Mercury | ≤1mg/kg | <1mg/kg |
| Cadmium | ≤5mg/kg | <5mg/kg |
| Totalplatecount | ≤100cfu/g | <10cfu/g |
| Yeast&mould | ≤100cfu/g | <10cfu/g |
| E.coli | Absentin1g | Absentin1g |
| Pseudomonasaeruginosa | Absentin1g | Absentin1g |
| Staphylococusaureus | Absentin1g | Absentin1g |
| Candidaalbicans | Absentin1g | Absentin1g |
| Salmonellaspecies | Absentin1g | Absentin1g |
| Conclusion | Conforms | |

Test by: Xu Ping

Reviewed by: Liu Zhenyu

