



CERTIFICATE OF ANALYSIS

| | | | |
|-------------------------|------------------------|--------------------------|----------|
| Product Name | KOJIC ACID DIPALMITATE | | |
| CAS NO. | 79725-98-7 | | |
| Molecular Weight | 618.93 | Molecular Formula | C38H66O6 |
| Batch Number | 20230312 | Manufacture Date | 20230312 |
| Report Date | 20230312 | Expiry Date | 20250311 |

| Item of Analysis | Specification | Results |
|-----------------------------------|--|-------------|
| Assay | ≥98.0% | 98.06% |
| Organoleptic | | |
| Appearance | Powder | Conforms |
| Color | White sheet crystals | Conforms |
| Odor | Characteristic | Conforms |
| Taste | Characteristic | Conforms |
| Physical Characteristics | | |
| Melting point | 92~96°C | 95.2-95.8°C |
| Loss on drying | ≤0.5% | 0.09% |
| Ignition residue | ≤0.5% | 0.05% |
| Color reaction of ferric chloride | Negative | Negative |
| Heavy metals | | |
| Heavy metal | ≤10 ppm | <10 ppm |
| Lead (Pb) | ≤2 ppm | <2 ppm |
| Arsenic (As) | ≤2 ppm | <2 ppm |
| Cadmium (Cd) | ≤2 ppm | <2 ppm |
| Mercury (Hg) | ≤1 ppm | <1 ppm |
| Pathogen | Bacteria: ≤300cfu/g Fungus: ≤100cfu/g | <100 <50 |
| Microbiological Tests | | |
| Count of Bacteria | 1000cfu/g Max | Conforms |
| Yeast & Mold | 100cfu/g Max | Conforms |
| Salmonella enteritidis | Negative | Negative |
| Shigella | Negative | Negative |
| Staphylococcus aureus | Negative | Negative |
| Beta Hemolytic streptococcus | Negative | Negative |

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.