

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	KOJIC ACID DIPALMITATE		
<b>CAS NO.</b>	79725-98-7		
<b>Molecular Weight</b>	618.93	<b>Molecular Formula</b>	C38H66O6
<b>Batch Number</b>	20220312	<b>Manufacture Date</b>	20220312
<b>Report Date</b>	20220312	<b>Expiry Date</b>	20240311

Item of Analysis	Specification	Results
Assay	≥98.0%	98.06%
<b>Organoleptic</b>		
Appearance	Powder	Conforms
Color	White sheet crystals	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
<b>Physical Characteristics</b>		
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
<b>Heavy metals</b>		
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
<b>Microbiological Tests</b>		
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.

