

## CERTIFICATE OF ANALYSIS

Product Name:Kojic Acid Dipalmitate		CAS No :79725-98-7
Batch No:BIOF20231224	Quality:200kg	Grade :Cosmetic Grade
Manufacture Date: December.24th.2023	Analysis Date : December.25th.2023	Expiration Date : December.23th.2025
Analysis	Specification	Result
Appearance	white sheet crystals powder	White Crystal Powder
Melting point	92.0°C~96.0°C	95.2°C
Color reaction of ferric chloride	Negative	Negative
Solubility	Soluble in tetrahydrofuran, hot ethanol	complies
Chemical Tests		
Assay	98.0%Min	98.63%
Residual on ignition	0.5%Max	<0.5%
Tinctorial reaction of FeCl3	Negative	Negative
Loss on drying	0.5%Max	0.02%
Heavy Metals	10.0ppm Max	< 10.0ppm
Arsenic	2.0ppm Max	<2.0ppm
Microbiology Control		
Total bacteria	1000cfu/g Max	<1000cfu/g
Yeast & Mold:	100cfu/g Max	<100cfu/g
Salmonella :	Negative	Negative
Escherichia coli	Negative	Negative
Staphylococcus aureus	Negative	Negative
Pseudomonas agruginosa	Negative	Negative
Packing and Storage		
Packing:Pack in Paper-Carton and two plastic-bags inside		
Shelf Life :2 year when properly stored		
Storage:Store in well-closed place with constant low temperature and no direct sun light		

Inspection personnel: Yan Li Review personnel: Lifen Zhang

Authorized personnel: LeiLiu

