BIOISCO Co., Ltd.
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CERTIFICATE OF ANALYSIS

Product:	**Acridine Orange, C.I. 46005**
CAS :	**10127-02-3**
Molecular Formula:	**C17H20ClN3·HCl·0.5ZnCl2**
Formula Weight:	**369.96**
Lot No.:	**240132**
Expiry Date:	**08/2025**
Storage:	**Room temperature, dry, tightly closed lined container.**

TESTS	SPECIFICATIONS	RESULT
Appearance:	Brown to Red-Brown powder	Brawn powder
Identification (IR):	Conforms to standard	Conforms
Loss on Drying: **105 OC/ 1 hr.**	3% maximum	0.6%
Solubility: **C = 1mg/ml water**	Clear Orange to Brown solution	Clear solution
Extinction Co-efficient: **(in water)** **E(489 to 495nm)** **E(285 to 291nm)** **E(265 to 271nm)**	>38000 >18000 >38000	E792nm= 39210 E288nm = 19910 E269nm = 41620

*This material is chemically synthesized.

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Quality Inspector