



CERTIFICATE OF ANALYSIS

Product Name: Lutein Latin Name: Tagetes Erecta L
Batch Number: 20240113 Batch Quantity: 150KG
Manufacture Date: 2024-01-13 Expiry Date: 2026-01-12

ITEMS	SPECIFICATION	RESULTS
Appearance	Orange yellow powder	Orange yellow powder
Assay (by HPLC)	Lutein NLT 5.0%	5.73%
Odor & Taste	Characteristic	Conforms
Identification	Positive	Conforms
Particle Size	95% pass through 60 mesh	Conforms
Loss on drying	5.0% Max	2.63%
Residual on Ignition	2.0% Max	0.52%
Residual Ethanol	$\leq 5000\text{cfu/g}$	Conforms
Heavy metals		
As	1.0 ppm Max	Conforms
Pb	1.0 ppm Max	Conforms
Hg	0.1 ppm Max	Conforms
Cd	1.0ppm Max	Conforms
Total Plate Count	1000 cfu/g Max	Conforms
Yeast & Mold	100 cfu/g Max	Conforms
E-Coli	Absence/10g	Conforms
Salmonella	Absence/10g	Conforms
Staphylococcus Aureus	Absence/10g	Conforms
Aflatoxins	$\leq 20\text{ }\mu\text{g/kg}$	N.D(<0.5 $\mu\text{g/kg}$)
Conclusion	Comply with In house Standard.	
Storage	Store in cool & dry place, keep away from strong light and heat.	

Shawn
Analyst

Rick
Approved

Whip
Header of QC