

Lutein

Batch no	TKL-20260305
Mf date	Mar 05 2026
Retest	Mar 04 2028
Batch qty	400 kg

Source Marigold Flower Petals P.E.
Botanical name Tagetes Erecta L.
Plant part Flower
Solvent used Ethanol & water
Carrier used None

Apr 14 2026

Tests	Specifications	Results
Appearance	Orange powder	Conforms
Identification	Meets the requirements	Positive
Odor & taste	Characteristic	Conforms
Loss on drying	≤ 5.0%	2.87%
Residue on ignition	≤ 5.0%	1.91%
Heavy metals	≤ 20 ppm	Conforms
Pb	≤ 0.5 ppm	Conforms
As	≤ 0.5 ppm	Conforms
Hg	ND	ND
Pesticide residue (GC)	Acephate ≤ 0.1 ppm	Conforms
	Methamidophos ≤ 0.1 ppm	Conforms
	Parathion ≤ 0.1 ppm	Conforms
	PCNB ≤ 10 ppb	Conforms
Microbiological test	Total plate count ≤ 1000 cfu/gr	Conforms
	Yeast & mold ≤ 100 cfu/gr	Conforms
	E.coli Negative	Negative
	Salmonella Negative	Negative
Mesh size	100% pass 80 mesh	Conforms
Assay (HPLC)	Lutein ≥ 80%	81.31%
Packaging & storage	Store in cool & dry place, keep away from strong light and heat	
Conclusion	Material complies with in-house standard	