



Lutein

Batch no TKL-20230614
Mf date Jun 14 2023
Retest Jun 13 2025
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

Jul 10 2023

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Orange powder	Conforms
Identification	Meets the requirements	Positive
Odor & taste	Characteristic	Conforms
Loss on drying	≤ 5.0%	1.91%
Residue on ignition	≤ 5.0%	0.97%
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%	80.39%

Packaging & storage	Store in cool & dry place, keep away from strong light and heat
Conclusion	Material complies with in-house standard

