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SPECIFICATION SHEET

Product:	Lutein 5%
Botanical Name:	Tagetes Erecta L
Country of Origin:	China CAS# 127-40-2

Content	Specification	Methods
Appearance:	Light red powder	Visual
Particle Size:	80 mesh	80 mesh screen
Part Used:	Marigold flower	
Chemical Formula:	$C_{40}H_{56}O_2$	
Lutein:	>5%	UV
Loss on Drying:	<10%	GB
Ash:	<1%	GB
Solubility:	Insoluble in water	
Solvent Used:	Ethanol, water	
Solvent Residue:	<0.05%	CP2005
Heavy Metals:	<5 ppm	Colorimetry
Arsenic:	≤1 ppm	AAS
Cadmium:	<0.5 ppm	AAS
Lead:	<2 ppm	AAS
Mercury:	<0.1 ppm	AAS
Total Plate Count:	<10,000 cfu/g	AOAC
Mold & Yeast:	<1,000 cfu/g	AOAC
Coliforms:	<100 cfu/g	AOAC
E. Coli:	Negative	AOAC
Salmonella:	Negative	AOAC
Staphylococcus Aureus:	Negative	AOAC

GMO Statement:	GMO free
Standard:	Food grade
Treatment:	Heat

Note: The above information is based on the certificate of analysis received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by :

Abdullah Malik (QA)