



# Trafa Pharmaceutical Inc.

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## SPECIFICATION SHEET

Product: Lutein (Marigold) 10%  
Botanical Name: Tagetes Erecta L  
Country of Origin: China CAS# 127-40-2

Content	Specification	Methods
Appearance:	Orange powder	Visual
Particle Size:	80 mesh	80 mesh screen
Part Used:	Marigold flower	
Chemical Formula:	$C_{40}H_{56}O_2$	
Molecular Weight:	568.88	
Lutein:	>10%	UV
Loss on Drying:	<6%	GB
Ash:	<1%	GB
Solubility:	Insoluble in water	
Solvent Used:	Ethanol, water	
Solvent Residue:	<0.05%	CP2005
Heavy Metals:	<5 ppm	Colorimetry
Arsenic:	$\leq 1$ 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)