

Technical Data Sheet

Product Name	Lutein
Item No.	A1111
Botanical Source	<i>Tagetes erecta L.</i>
Plant Part Used	Flower
Country of Origin	China
Method of Extraction	Water & Ethanol
Method of Sterilization	High temperature

<i>Item</i>	<i>Specification</i>	<i>Test Method</i>
Appearance	Orange-red fine powder	Complies
Odor	Characteristic	Complies
Taste	Characteristic	Complies
Extract Ratio	≥5%	HPLC
Sieve analysis	100% through 80 mesh	Complies
Loss on Drying	≤8.0%	3h/105°C
Residue on Ignition	≤5.0%	5h/750°C
Loose density	0.5-0.8g/ml	60g/100ml
Tapped density	0.7-1.0g/ml	60g/100ml
Hexane	≤50 ppm	GC
Ethanol	≤500 ppm	GC
666	≤0.1ppm	GC
DDT	≤0.1ppm	GC
Quintozine	≤0.1ppm	GC
Heavy Metal	≤10ppm	Colorimetry
Arsenic(As)	≤2ppm	AAS
Lead(Pb)	≤1ppm	AAS
Cadmium(Cd)	≤1ppm	AAS
Mercury(Hg)	≤0.1ppm	AAS
Total plate count	≤1000cfu/g	CP2010
Yeast & mold	≤100cfu/g	CP2010
Escherichia coli	Negative	CP2010
Salmonella	Negative	CP2010

Packing Pack in foil bags or paper-drums and two plastic-bags inside.

Storage Store in sealed containers at cool & dry place.

Protect from light, moisture and pest infestation.

Shelf life 2 years when properly stored