

SHAANXI YOUGU BIOTECHNOLOGY CO., LTD
CERTIFICATE OF ANALYSIS

Product Name: Lutein	Date Test: Feb.26,2019	Mfg Date: Feb.25,2019	
Botanical Name: <i>Tagetes erecta L.</i>	Plant part: Flower	Exp. date: Feb.24,2021	
Batch No.: 19022501	Weight: 350 kg	Origin: China	
Items	SPECIFICATIONS	Results	METHOD/STANDARD
DESCRIPTION			
Characters	Powder	Qualified	Organoleptic
Color	Orange yellow powder	Qualified	Organoleptic
Odor	Characteristic	Qualified	Organoleptic
Mesh	80	98% pass 80 mesh	--
Loss on drying	≤5.0%	3.44%	CP2010
Ash	≤1.0%	0.46%	CP2010
Identification:		Positive (+)	By HPLC/TLC
Assay	Lutein ≥20.0%	20.05%	HPLC
Heavy Metals	≤10ppm	Qualified	ICP-MS
Pb	≤1ppm	Qualified	ICP-MS
As	≤1ppm	Qualified	ICP-MS
Hg	≤0.1ppm	Qualified	ICP-MS
Cd	≤0.5ppm	Qualified	ICP-MS
Microbiological			
Total Plate Count	1000cfu/g Max	<100cfu/g	AOAC
Yeast& Mold	100cfu/g Max	<50cfu/g	AOAC
E.Coli colonies/g	Negative (-)	Negative	AOAC
Samonella colonies/g	Negative (-)	Negative	AOAC
General Status			
GMO Free	None	Qualified	--
Non-Irradiation	None	Qualified	--

Conclusion: Confirm to Specification

Packing: Packed in paper-drums and two plastic-bags inside N.W: 25kgs. I.D. 35 x H51cm

Storage: Cool& dry place. Do not freeze. Keep away from strong light and heat

Shelf life: 2 Years under the conditions above and in its original packaging.

QC MANAGER: Jianyuan Cai



APPROVER: Huiqing Jiao



ANALYST: Manning Xiao

