



西安锐博生物科技有限公司

Xi An Rainbow Biotech Co.,Ltd

Certificate of Analysis

Product Name: Marigold Extract Batch Number: WSJ20190227
Latin Name: *Tagetes erecta L.* Test Date: 20190227
Part Used: Flower Manufacture Date: 20190227
QTY: 100KG Expiry Date: 20210226

ITEM	SPECIFICATION	RESULT
Lutein	≥20.0%	21.35%(HPLC)
zeaxanthin	≥4%	4.09%

Description :

DER	20:1	Complies
Appearance	Orange-red fine powder	Complies
Odor	Characteristic	Complies
Extract Solvent	Water	Complies
Particle Size	100% pass 80mesh	Complies
Loss on Drying	≤5.0%	3.40%
Residue on Ignition	≤5.0%	0.91%
Loose density	0.4-0.7g/ml	0.62g/ml
Tapped density	0.6-1.0g/ml	0.83g/ml
Ash	≤5.0%	Complies

Chemical :

Heavy metals	< 10ppm	Complies
Pb	< 1ppm	Complies
As	< 2ppm	Complies
Cadmium	< 1ppm	Complies
Mercury	< 0.1ppm	Complies
Benzo(a)pyrene	≤10ug/Kg	Complies
Sum PAH4		
Benzo(a)pyrene		
Benzo(a)anthracene	≤50ug/Kg	Complies
Benzo(a)fluoranthene		
Chrysene		

Microbial :

Total microbacterial count	≤1,000cfu/g	Complies
Total Yeast & Mold	≤100cfu/g	Complies
Salmonella	Negative	Complies
E.Coli	Negative	Complies

Irradiation Product has not been treated with ionizing radiation

Packing & Storage:

Packed in paper-drums and two plastic-bags inside.N.W.:25kgs, D.35cm×H51cm
Store in a well-closed container Away from moisture.

QC: Shifu Lei 2019.02.27 QA: Jianlong Yu 2019.02.27

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