



Xi'an Green Spring Technology Co.,Ltd

Certificate of Analysis

General Information			
Product Name:	Marigold Flower Extract	Part Used:	Flower
Item	Specification	Result	Method
Physical and Chemical Property			
Appearance	Yellow Powder	Conforms	Visual
Particle Size	≥95% through 80 mesh	Conforms	Screening
Residue on Ignition	≤5g/100g	3.52g/100g	3g/550°C/4hrs
Loss on Drying	≤5g/100g	3.05g/100g	3g/105°C/2hrs
Identification	Conforms with TLC	Conforms	TLC
Content:	Lutein≥20%	20.3%	HPLC
Residue Analysis			
Heavy Metals	≤10mg/kg	Conforms	
Lead (Pb)	≤3.00mg/kg	Conforms	ICP-MS
Arsenic (As)	≤2.00mg/kg	Conforms	ICP-MS
Cadmium (Cd)	≤1.00mg/kg	Conforms	ICP-MS
Mercury (Hg)	≤0.50mg/kg	Conforms	ICP-MS
Microbiological Tests			
Total Plate Count	≤1000cfu/g	200cfu/g	AOAC 990.12
Total Yeast & Mold	≤100cfu/g	10cfu/g	AOAC 997.02
E.Coli	Negative/10g	Conforms	AOAC 991.14
Salmonella	Negative/10g	Conforms	AOAC 998.09
S. aureus	Negative/10g	Conforms	AOAC 2003.07
Product Status			
Conclusion:	Sample Qualified.		
Shelf Life:	24 months under the conditions below and in its original packaging.		
Retest date:	Retest every 24 month under the conditions below and in its original packaging.		
Storage:	Store in a cool, dry place away from Moisture, Light.		

Quality Assurance: Liang Yan

