

CERTIFICATE OF ANALYSIS

Product Name:	Carthamus Tinctorius Extract		
Plant Latin Name:	<i>Carthamus tinctorius L.</i>	Ref. Standard:	In-house Standard
Used Part:	Flower	Spec.:	10:1
Batch Number:	NF-20210622	Manuf. Date:	Jun.22,,2021
Batch Size :	500kg	Expiry Date:	Jun.21,2023
Storage Condition:	Store in a well-closed and dry place with constant room temperature and non-direct sunlight		

ITEM	METHOD	SPECIFICATION	RESULT
Organoleptic			
Appearance	Organoleptic	Fine powder	Conforms
Color	Organoleptic	Brown yellow	Conforms
Odor	Organoleptic	Characteristic	Conforms
Taste	Organoleptic	Characteristic	Conforms
Physical Characteristics			
Particle Size	USP<786>	95%Through 80 mesh	Conforms
Loss on Drying	USP<731>	≤5.0%	4.01%
Ash	USP<561>	≤5.0%	3.26%
Heavy Metals			
Lead(Pb)	USP<730>ICP-MS	≤2.0ppm	Conforms
Arsenic(As)	USP<730>ICP-MS	≤2.0ppm	Conforms
Mercury(Hg)	USP<730>ICP-MS	≤0.1ppm	Conforms
Cadmium(Cd)	USP<730>ICP-MS	≤1.0ppm	Conforms
Microbiological Tests			
Total plate Count	USP<2021>	≤1000cfu/g	Conforms
Yeast & Mold	USP<2021>	≤100cfu/g	Conforms
E.Coli.	USP<2022>	Negative	Negative
Salmonella	USP<2022>	Negative	Negative
Staphylococcus	USP<2022>	Negative	Negative
Assay	TLC	10:1	10:1
Conclusion:	Conform to In-house standard.		

Tested by: Fangchao Yang

Approved by: Yulian Liu

