西安天丰生物科技股份有限公司
Xi'an Natural Field Bio-Technique Co., Ltd

CERTIFICATE OF ANALYSIS

Product Name:	Griffonia seed extract		
Latin Name:	*Griffonia Simplicifolia*		
Plant Part:	Seed	Manu Date:	Oct. 20, 2021
Batch Number:	NF-20211020	Expiration Date:	Oct. 19, 2023
Quantity:	500kg	Report Date:	Oct. 22, 2021
Storage Condition:	Store in a well-closed and dry place with constant room temperature and Non-direct sunlight		

Parameter	**Specification**	**Results**	**Method**
Assay	5-Hydroxytryptophan ≥ 99.0%	99.29%	HPLC
Physical			
Description	Off white color powder with characteristic odor and taste	Complies	Organoleptic
Identification	To comply by HPLC	Complies	
Solubility	Insoluble in water.	Complies	USP
Loss on drying	≤ 5.0%w/w	0.46%w/w	USP <731>
Ash content	≤1.0%w/w	0.42%w/w	USP <281>
Particle size			
80 mesh	≥ 100% passing	100%	USP<786>
Heaw Metals	**ICP-OES**		
Lead	≤3.0ppm	Complies	USP<233>
Arsenic	≤2.0ppm	Complies	USP<233>
Cadmium	≤ 1.0ppm	Complies	USP<233>
Mercury	≤ 0.1ppm	Complies	USP<233>
Microbiological			
Total plate count	≤ 10,000cfu/g	180 cfu/g	USP<2021>
Total yeast and mold cou	≤ 1000cfu/g	10 cfu/g	USP <2021>
Salmonella spp.	Negative / 25g	Negative	USP <2022>
Colifbnns	≤ 30cfu/g	Complies	USP <2021>
Staphylococcus aureus	Negative / 25g	Negative	USP <2022>
Packing	25kg/drum. Packing in paper drum and two plastic-bags inside.		
Conclusion:	Conform with A.M. Standard		
Tested by	QC: Yang Fangchao	Approved by	Niu Jicheng

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