



## CERTIFICATE OF ANALYSIS

Product Name	5-HTP	Latin Name	Griffonia Simplicifolia
Used Part	Whole plant	Solvent	Ethanol&Water
Batch No.	210505	Product Date	May.05,2021
Testing Date	May.05,2021	Quantity	1000kg
Expiry Date	May.04,2023	Packing	25KG/Drum
<b>Items &amp; Results</b>			
Item	Spec.	Test method	Result
Assay	≥98%L-5-Hydroxytryptophan	HPLC	99.23%
Appearance	Off-White Fine Powder	Visual	Conforms
Odor	Characteristic	Organoleptic	Conforms
Particle Size	100 % through 80 mesh	Sieve Test	Conforms
Water(KF)	≤1.0 %	Eur.Ph.7.0 [2.5.12]	0.31 %
Total Ash	≤1.0 %	Eur.Ph. <2.4.16>	0.03 %
Specific Rotation	-34.7~-30.9 °	Eur.Ph. <2.9.13>	-31.2 °
Lead (Pb)	≤3.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0125 mg/kg
Arsenic (As)	≤2.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0241 mg/kg
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	<0.01 mg/kg
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0147 mg/kg
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Eur.Ph. <2.4.24>	Conform
Pesticides Residue	Meet USP Requirements	USP36 <561>	Conform
<b>Microbiological Test</b>			
Total bacterial count	≤10000cfu/g	USP36 <2021>	110 cfu/g
Mold & Yeast	≤1000cfu/g	USP36 <2021>	10 cfu/g
E.Coli	Negative	USP36 <2022>	Conform
Salmonella	Negative	USP36 <2022>	Conform
Non-Irradiation	≤700	USP36 <2021>	110 cfu/g
Shelf life&Storage	2years.Cool & dry place. Keep away from strong light and heat		
Conclusion	Conform with specification		
Analyst	马亮	Review	刘爱琴 Supervisor of QC

