



Address: East of Tianmu Road, Laiyang Development
Zone, Yantai City, Shandong Province, 265200, China

Certificate of Analysis

Product Name: 5-HTP 20% (Griffonia Seed Extract)	Botanical Source: <i>Griffonia Simplicifolia</i>
CAS No.: 56-69-9	Molecular Formula: $C_{11}H_{12}N_2O_3$
Formula Weight: 220.22	Batch No.: S20240517
Production Date: May 17, 2024	Expiry Date: May 16, 2026
Batch Size: 300 kg	Pack Size: 25 kg/drum

Test Item	Specification	Result	Test Method
Appearance	Fine powder	Conforms	Organoleptic
Color	Off-White	Conforms	Organoleptic
Odor & Taste	Characteristic	Conforms	Organoleptic
Identification	Identical to R.S. sample	Identical	HPTLC
L-5-Hydroxytryptophan	≥20.0%	20.17%	HPLC
Particle Size	95 % through 80 mesh	Conforms	USP36<786>
Loss on Drying	≤5.0 %	2.58%	Eur.Ph.7.0 [2.5.12]
Total Ash	≤1.0 %	0.56%	Eur.Ph.7.0 [2.4.16]
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Conforms	Eur.Ph.7.0 <2.4.24>
Pesticides Residue	Meet USP Requirements	Conforms	USP36 <561>
Heavy Metal			
Heavy Metals	≤10 ppm	1.2 ppm	ICP-MS
Lead (Pb)	≤0.5 ppm	0.042 ppm	ICP-MS
Arsenic (As)	≤0.5 ppm	0.005 ppm	ICP-MS
Cadmium (Cd)	≤0.1 ppm	0.005 ppm	ICP-MS
Mercury (Hg)	≤0.1 ppm	0.025ppm	ICP-MS
Microbiological Tests			
Total Microbial Count	≤1000 CFU/g	Conforms	USP <2021>
Mold and Yeast	≤100 CFU/g	Conforms	USP <2021>
<i>E. Coli.</i>	Negative/10g	Negative	USP <2022>
<i>Salmonella</i>	Negative/25g	Negative	USP <2022>
Conclusion	Comply with Required Standards.		
Packing	Pack in paper-drums and two plastic bags inside. Net weight: 25kg/drum		
Shelf Life	24 months under the conditions below and in its original packaging.		
Storage	Store in a well-closed container away from moisture, light, oxygen.		

QC Manager: Yanxia Li

Analyst: Fan Sun

