

## SHAANXI YOUGU BIOTECHNOLOGY CO., LTD

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b> Griffonia simplicifolia Extract	<b>Date Test:</b> Jan.23,2019	<b>Mfg Date:</b> Jan.22,2019	
<b>Botanical Name:</b> <i>Griffonia simplicifolia</i>	<b>Plant part:</b> Seed(from Ghana)	<b>Exp. date:</b> Jan.21,2021	
<b>Batch No.:</b> 19012201	<b>Weight:</b> 350 kg	<b>Origin:</b> China	
ITEMS	SPECIFICATIONS	RESULTS	METHOD/STANDARD
<b>DESCRIPTION</b>			
Characters	Powder	Qualified	Organoleptic
Color	White to off-white	Qualified	Organoleptic
Odor	Characteristic	Qualified	Organoleptic
Mesh	80	95% pass 80 mesh	--
Loss on drying	≤2.0%	0.28%	5g/105 °C/2hrs
Ash	≤1.0%	0.23%	2g/525 °C/3hrs
Benzo(a)pyrene	≤10ppb	N.D	EP
Sum PAH	≤50ppb	N.D	EP
Identification:		Positive(+)	By HPLC/TLC
Assay (On dry basis)	5-HTP ≥98.0%	98.64%	HPLC
<b>Heavy Metals</b>	≤10ppm	Qualified	USP
Pb	≤2ppm	Qualified	ICP-MS
As	≤1ppm	Qualified	ICP-MS
Hg	≤0.1ppm	Qualified	ICP-MS
Cd	≤1.0ppm	Qualified	ICP-MS
<b>Microbiological</b>			
Total Plate Count	1000cfu/g Max	<300cfu/g	USP
Yeast& Mold	100cfu/g Max	<20cfu/g	USP
E.Coli colonies/g	Negative(-)	Negative	USP
Samonella colonies/g	Negative(-)	Negative	USP
<b>General Status</b>			
GMO Free	None	Qualified	--
Non-Irradiation	None	Qualified	--
<b>Conclusion:</b> Confirm to Specification			
<b>Packing:</b> Packed in paper-drums and two plastic-bags inside N.W: 25kgs. I.D. 35 x H51cm			
<b>Storage:</b> Cool& dry place. Do not freeze. Keep away from strong light and heat			
<b>Shelf life:</b> 2 Years under the conditions above and in its original packaging.			

QC MANAGER: Jianyuan Cai



APPROVER: Huiqing Jiao



ANALYST: Yanping Xiao

