

## Certificate of Analysis

<b>Product name</b>	Griffonia Seed Extract	<b>Botanical Source</b>	Griffonia Simplicifolia
<b>Batch NO.</b>	BF20240712	<b>Batch Quantity</b>	1000 kgs
<b>Manufacture Date</b>	2024.7.12	<b>Report Date</b>	2024.7.17
<b>Solvents Used</b>	Water&Ethanol	<b>Part Used</b>	Seed

  

ITEMS	SPECIFICATION	METHOD	TEST RESULT
<b>Physical&amp;Chemical Data</b>			
Color	Off-White	Organoleptic	Qualified
Ordour	Characteristic	Organoleptic	Qualified
Appearance	Fine Powder	Organoleptic	Qualified
<b>Analytical Quality</b>			
Identification	Identical to R.S. sample	HPTLC	Identical
Assay(L-5-HTP)	≥98.0%	HPLC	98.33%
Loss on Drying	1.0% Max.	Eur.Ph.7.0 [2.5.12]	0.21%
Total Ash	1.0% Max.	Eur.Ph.7.0 [2.4.16]	0.62%
Sieve	100% pass 80 mesh	USP36<786>	Qualified
Specific Rotation	-34.7~-30.9°	Eur.Ph.7.0 [2.9.13]	-32.8°
Loose Density	20~60 g/ 100ml	Eur.Ph.7.0 [2.9.34]	53.38 g/ 100ml
Tap Density	30~80 g/ 100ml	Eur.Ph.7.0 [2.9.34]	72.38 g/ 100ml
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Eur.Ph.7.0 <5.4>	Qualified
Pesticides Residue	Meet USP Requirements	USP36 <561>	Qualified
<b>Heavy Metals</b>			
Total Heavy Metals	10ppm Max.	Eur.Ph.7.0 <2.2.58> ICP-MS	1.388g/kg
Lead (Pb)	2.0ppm Max.	Eur.Ph.7.0 <2.2.58> ICP-MS	0.062g/kg
Arsenic (As)	1.0ppm Max.	Eur.Ph.7.0 <2.2.58> ICP-MS	0.005g/kg
Cadmium(Cd)	1.0ppm Max.	Eur.Ph.7.0 <2.2.58> ICP-MS	0.005g/kg
Mercury (Hg)	0.5ppm Max.	Eur.Ph.7.0 <2.2.58> ICP-MS	0.025g/kg
<b>Microbe Tests</b>			
Total Plate Count	NMT 1000cfu/g	USP <2021>	Qualified
Total Yeast & Mold	NMT 100cfu/g	USP <2021>	Qualified
E.Coli	Negative	USP <2021>	Negative
Salmonella	Negative	USP <2021>	Negative
<b>General Status</b>			
Non-Irradiation; Non GMO; No ETO Treatment; No Excipient			
<b>Packing&amp;Storage</b>			
Packed in paper-drums and two plastic-bags inside. N.W: 25kgs Store in a well-closed container away from moisture, light, oxygen.			
<b>Shelf life</b>			
24 months under the conditions above and in its original packaging.			

Analyst: Dang Wang

Checked by: Lei Li

Approved by: Yang Zhang

