

SHAANXI YOUGU BIOTECHNOLOGY CO., LTD

CERTIFICATE OF ANALYSIS

Product Name: Gotu kola extract	Date Test: Aug.19,2019	Mfg Date: Aug.18,2019	
Botanical Name: <i>Centella asiatica</i> (L.) Urban	Plant part: Dried whole plant	Exp. date: Aug.17,2021	
Batch No.: 19081801	Weight: 100 kg	Origin: China	
ITEMS	SPECIFICATIONS	RESULTS	METHOD/STANDARD
DESCRIPTION			
Characters	Powder	Qualified	Organoleptic
Color	Light yellow to off white	Qualified	Organoleptic
Odor	Characteristic	Qualified	Organoleptic
Mesh	80	98% pass 80 mesh	--
Solubility	Soluble in water	Qualified	In-House
Loss on drying	≤5.0%	2.13%	GB 5009.3
Ash	≤5.0%	0.58%	GB 5009.4
Identification:		Positive (+)	By HPLC/TLC
Assay (on dry basis)	≥70.0% Asiaticosides	70.15%	HPLC
	Asiaticoside	14.23%	HPLC
	Madecassoside	31.62%	HPLC
	Asiaticoside B	24.30%	HPLC
Heavy Metals	≤10ppm	Qualified	CP2015
Pb	≤1ppm	Qualified	GB 5009.268
As	≤1ppm	Qualified	GB 5009.268
Hg	≤0.1ppm	Qualified	GB 5009.268
Cd	≤0.3ppm	Qualified	GB 5009.268
Microbiological			
Total Plate Count	1000cfu/g Max	<10cfu/g	GB 4789.2
Yeast& Mold	100cfu/g Max	<10cfu/g	GB 4789.15
E.Coli colonies/g	Negative (-)	Negative	GB 4789.3
Samonella colonies/g	Negative (-)	Negative	GB 4789.4
General Status			
GMO Free	None	Qualified	--
Non-Irradiation	None	Qualified	--

Conclusion: Conform to Specification

Packing: Packed in paper-drums and two plastic-bags inside N.W: 25kgs. I.D. 35 x H51cm

Storage: Cool& dry place. Do not freeze. Keep away from strong light and heat

Shelf life: 36 Months under the conditions above and in its original packaging.

QC MANAGER: Jianyuan Cai

APPROVER: Huiqing Jiao

ANALYST: Yanping Xiao

