

Certificate of Analysis

Product Name	Gotu Kola Extract	Manufacture Date	Mar. 15, 2019
Batch No.	GO190315	Certificate Date	Mar. 30, 2019
Batch Quantity	500kgs	Expiration Date	Mar. 14, 2021
Storage Condition	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result	Method
Basic Product Information			
Genus and Species	<i>Centella Asiatica (L.) Urban</i>	Conform	/
Part of the Plant	Air Herb	Conform	/
Country of Origin / Production	India / China	Conform	/
Organoleptic Data			
Appearance	Powder	Conform	GJ-QCS-1008
Color	Brown fine powder	Conform	GB/T 5492-2008
Odor	Characteristic	Conform	GB/T 5492-2008
Taste	Characteristic	Conform	GB/T 5492-2008
Process Data			
Method of Processing	Extraction	Conform	/
Solvent(s) Used	Ethanol & Water	Conform	/
Drying Method	Spray drying	Conform	/
Ratio of Extraction	10:1	Conform	TLC
Physical Characteristics			
Particle Size (80 mesh)	>95.0%	Conform	GB/T 5507-2008
Moisture	<5.0%	3.45%	GB/T 14769-1993
Ash Content	<5.0%	2.23%	AOAC 942.05, 18th
Heavy Metals			
Total Heavy Metals	<10 ppm	Conform	USP <231>, method II
As	<1.0 ppm	Conform	AOAC 986.15, 18th
Pb	<1.0 ppm	Conform	AOAC 986.15, 18th
Cd	<0.5 ppm	Conform	AOAC 971.21, 18th
Hg	<0.5 ppm	Conform	AOAC 971.21, 18th
Pesticide Residue			
666	<0.2ppm	Conform	GB/T5009.19-1996
DDT	<0.2ppm	Conform	GB/T5009.19-1996
Microbiology			
Total Plate Count	<10,000cfu/g	Conform	AOAC 990.12, 18th
Total Yeast & Mold	<1,000cfu/g	Conform	FDA (BAM) Chapter 18, 8th
E. Coli	Negative	Negative	AOAC 997.11, 18th
Salmonella	Negative	Negative	FDA (BAM) Chapter 5, 8th

Conclusion: Complies with specification

Tested by: Liu gang

Date: 2019.03.20

Approved by: Susan Sun, Ph.D

Date: 2019.03.20