

CERTIFICATE OF ANALYSIS

Product Name	Tongkat Ali Extract Powder		
Botanical Name	Eurycoma longifolia		
Batch Number	U-F-DGAL20190320	Manufacture Date	Mar. 20, 2019
Country of Origin	China		
Part Used	Root		
Report Date	Mar. 20, 2019	Expiry Date	Mar. 19, 2021

Item of Analysis	Specification	Results	Test Methods
Extract Ratio	100:1	Conforms	TLC
Organoleptic			
Appearance	Powder	Conforms	Organoleptic
Color	Brown Powder	Conforms	Organoleptic
Odor	Characteristic	Conforms	CP2010
Taste	Characteristic	Conforms	CP2010
Physical Characteristics			
Particle Size	100% pass 80 mesh	80MESH	CP2010
Loss on drying	5%NMT (%)	4.72%	USP<731>
Total ash	5%NMT (%)	4.63%	USP<561>
Bulk Density	45-60g/100mL	48g/100mL	CP2010IA
Residue of Solvents	None	Conform	NLS-QCS-1007
Heavy metals			
Total Heavy Metals	10ppm Max	Conform	USP<231>method II
Lead (Pb)	2ppm NMT	Conform	ICP-MS
Arsenic (As)	2ppm NMT	Conform	ICP-MS
Cadmium (Cd)	2ppm NMT	Conform	ICP-MS
Mercury (Hg)	1ppm NMT	Conform	ICP-MS
Microbiological Tests			
Total Plate Count	1000cfu/g Max	Conform	USP<61>
Yeast & Mold	100cfu/g Max	Conform	USP<61>
E. Coli.	Negative	Conform	USP<61>
Salmonella	Negative	Conform	USP<61>
Staphylococcus	Negative	Conform	USP<61>

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

QC : ZHAO TING

QA : HOU XUEHUI

检验专用章