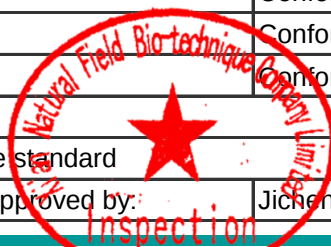


CERTIFICATE OF ANALYSIS

Product Name:	Tongka Ali root extract		
Latin Name:	<i>Eurycoma longifolia</i>		
Plant Part:	Root	Manu Date:	May.22, 2020
Batch Number:	NF-20200522	Expiration Date:	May.21, 2022
Quantity:	400kg	Report Date:	May.25, 2020
Storage Condition:	Store in a well-closed and dry place with constant room temperature and Non-direct sunlight		

Item	Standard	Test Result
Assay(TLC)	200:1 Eurycomanone $\geq 2.0\%$	Conforms 2.12%
Organoleptic		
Appearance	Fine Powder	Conforms
Color	Light Yellow or brown	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Extraction solvent	Ethanol / water	Conforms
Physical Characteristics		
Particle Size	95% through 80mesh	Conforms
Loss on Drying	$\leq 5.0\%$	4.12%
Ash content	$\leq 5.0\%$	2.75%
Residual solvent	Ethanol $\leq 5000\text{ppm}$	978ppm
Heavy metals		
Total Heavy Metals	$\leq 10.0\text{ppm}$	Conforms
Lead(Pb)	$\leq 1.0\text{ppm}$	Conforms
Arsenic(As)	$\leq 3.0\text{ppm}$	Conforms
Mercury(Hg)	$\leq 0.5\text{ppm}$	Conforms
Cadmium(Cd)	$\leq 1.0\text{ppm}$	Conforms
Microbiological Tests		
Total plate Count	$\leq 5000\text{cfu/g}$	Conforms
Yeast & Mold	$\leq 500\text{cfu/g}$	Conforms
E.Coli.	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus	Negative	Conforms
Aflatoxin B1	$<5\text{ppb}$	Conforms
Non-Irradiated, Non-GMO, BSE/TSE Free		
Conclusion	Conforms to the In-house standard	
Tested by:	Lijun Dou	Approved by: Jicheng Niu





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