

## CERTIFICATE OF ANALYSIS

**Product Name:** Tongkat ali extract  
**Botanical Name:** *Eurycome longafolia*  
**Batch Number:** 21121501  
**Quantity:** 1000kg

**Expiry date:** 2024/12/14  
**Part Used:** root  
**Date of Manufacture:** 2021/12/15  
**Date of Analysis:** 2021/12/17

Item	Specification	Result
Assay(HPLC)	3%Eurycomanone	3.12%
<b>Physical &amp; Chemical Control</b>		
Appearance	Brown yellow Powder	Complies
Odor	Characteristic	Complies
Tasted	Characteristic	Complies
Sieve Analysis	100% pass 80 mesh	Complies
Loss on Drying	5% Max.	3.33%
Ash	5% Max.	4.08%
Heavy metals	≤10ppm	Complies
As	≤2ppm	Complies
Pb	≤2ppm	Complies
Hg	≤1 ppm	Complies
Cd	≤2ppm	Complies
<b>Microbiological</b>		
Total Plate Count	10000cfu/g Max.	100cfu/g
Yeast & Mould	1000cfu/g Max	20cfu/g
Coliforms	Negative	Complies
Pathogenic bacteria	Negative	Complies
<b>Conclusion</b>	Complies with specification	
Storage	In cool & dry place. Keep away from strong light and heat.	
Shelf life	3 years when properly stored.	
Packing	25KG/drum, Pack in paper-drums and two plastic-bags inside.	

QA

QC

Analyst

