

CERTIFICATE OF ANALYSIS (COA)

Physta® *Eurycoma longifolia* Standardized Extract

Batch No.	: TA 2401008	Manufacturing Date	: 20 th January 2024
Botanical Name	: <i>Eurycoma longifolia</i>	Expiry Date	: 19 th January 2027
Common Name	: Tongkat Ali, Pasak Bumi, Long Jack	Part Used	: Root
Country of Origin	: Malaysia	Extraction method	: Water

Test Parameter	Specification	Result
Organoleptic		
Color	Light brown	Complies
Odor	Characteristics	Complies
Flavor	Bitter	Complies
Form/Texture	Fine Power	Complies
Extraneous Material	Free from Foreign matter	Complies
Physical Characteristics		
Moisture Content	< 8.0%	Complies (2.05%)
Average Mesh Size	90% smaller than 120 mesh	Complies
Bioactive Content		
Eurycomanone	0.8% - 1.5%	Complies (1.00%)
Total Protein	≥ 22%	Complies (30.6%)
Total Polysaccharide	≥ 30%	Complies (37.6%)
Glycosaponin	≥ 40%	Complies (50.9%)
Heavy Metal		
Lead (Pb)	< 2.0 ppm	Complies (<1.00* ppm)
Mercury (Hg)	< 0.05 ppm	Complies (<0.05* ppm)
Arsenic (As)	< 1.0 ppm	Complies (<1.00* ppm)
Cadmium (Cd)	< 0.3 ppm	Complies (<0.20* ppm)
Microbial Limit Test:		
Total Bacteria Count	< 10,000 cfu/g	Complies (170 cfu/g)
Yeast & Mould	< 100 cfu/g	Complies (<10* cfu/g)
<i>Salmonella</i>	Absent in 25 g	Complies (Absent)
<i>Escherichia coli</i>	Absent in 1 g	Complies (Absent)
<i>Staphylococcus aureus</i>	Absent in 1 g	Complies (Absent)
Bile-tolerant Gram-negative bacteria	< 100 cfu/g	Complies (<10* cfu/g)

*Not Detected

This is a computer generated COA, no signature required.

The above certificate of analysis contains information based on AKARALITM suppliers COA. This information and analysis is presented in good faith, but it is not warranted as to the accuracy of results. The verification and use of the information shall be the sole responsibility or risk of the party using the information. Moreover, all information given does in no way account for changes occurring between purchase, due to natural product variations and use of raw materials, nor does it warrant any nutritional claims. All precautionary labels and notices should be read and understood by all supervisory personnel before using. The data contained herein should not be interpreted as permission to use any existing patents or copyright.