

## CERTIFICATE OF ANALYSIS (COA)

Physta® *Eurycoma longifolia* Standardized Extract

Batch No.	: TA 2410109	Manufacturing Date	: 18 <sup>th</sup> October 2024
Botanical Name	: <i>Eurycoma longifolia</i>	Expiry Date	: 17 <sup>th</sup> October 2027
Common Name	: Tongkat Ali, Pasak Bumi, Long Jack	Part Used	: Root
Country of Origin	: Malaysia	Extraction method	: Water

Test Parameter	Specification	Result
<b>Organoleptic</b>		
Color	Light brown	Complies
Odor	Characteristics	Complies
Flavor	Bitter	Complies
Form/Texture	Fine Power	Complies
Extraneous Material	Free from Foreign matter	Complies
<b>Physical Characteristics</b>		
Moisture Content	< 8.0%	Complies (2.40%)
Average Mesh Size	90% smaller than 120 mesh	Complies
<b>Bioactive Content</b>		
Eurycomanone	0.8% - 1.5%	Complies (0.86%)
Total Protein	≥ 22%	Complies (37.7%)
Total Polysaccharide	≥ 30%	Complies (37.5%)
Glycosaponin	≥ 40%	Complies (50.0%)
<b>Heavy Metal</b>		
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)
<b>Microbial Limit Test:</b>		
Total Bacteria Count	< 10,000 cfu/g	Complies (<10* 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.

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