

# EURECTA<sup>®</sup>

Premium Ingredient Blend of Standardized  
Tongkat Ali and Kesum extract

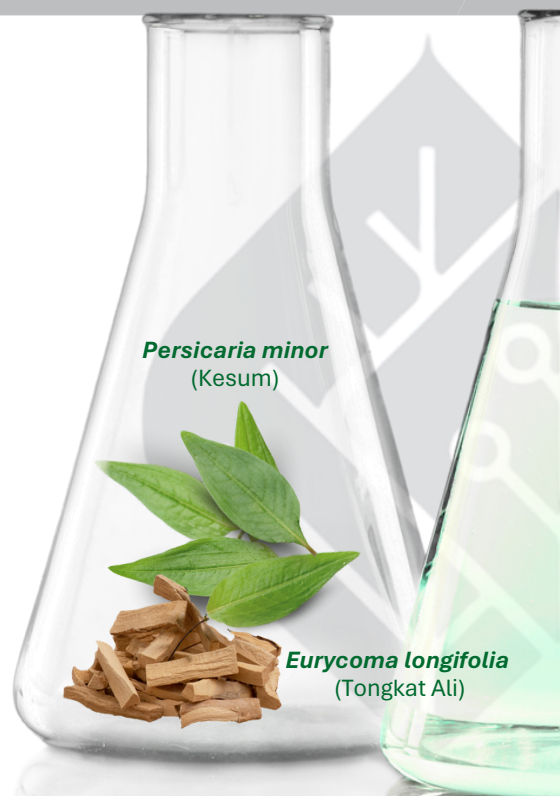
## Introduction

Tongkat Ali (*Eurycoma longifolia*) and Kesum (*Persicaria minor*) are plants that are native to South East Asia and known for their health benefits.

**EURECTA<sup>®</sup>** is a proprietary blend of two extract ingredients: **Physta<sup>®</sup>** (standardized extract of Tongkat Ali) and **BioKesum<sup>®</sup>** (standardized extract of Kesum).

The blend combination is designed to support a "holistic approach" to sexual health, performance and satisfaction. Eureka<sup>®</sup> is clinically validated to improve mental state and mood as well as support physical potency areas such as erectile performance.

“Eureka<sup>®</sup> is a market-ready botanical ingredient for all-natural dietary supplements, nutraceuticals and functional food & beverage applications.”



## Benefits of Eureka<sup>®</sup>



Increased  
Libido



Sexual  
Satisfaction



Physical  
Performance



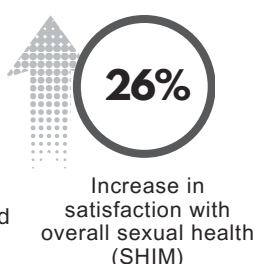
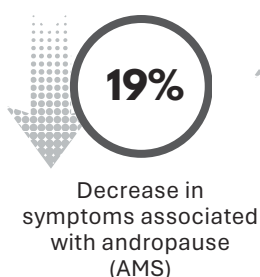
Energy and  
vitality



Quality of Life

## Scientific Validation

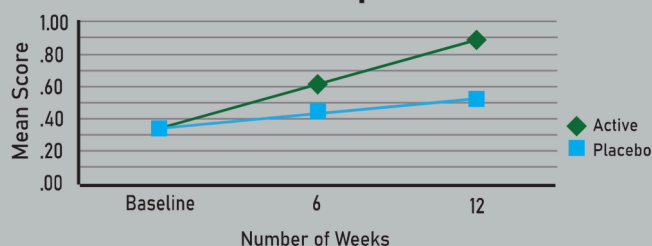
**EURECTA<sup>®</sup>** is scientifically supported by a randomized, double-blinded, placebo-controlled clinical study with 30 subjects that ran for 12 weeks. The results observed include:



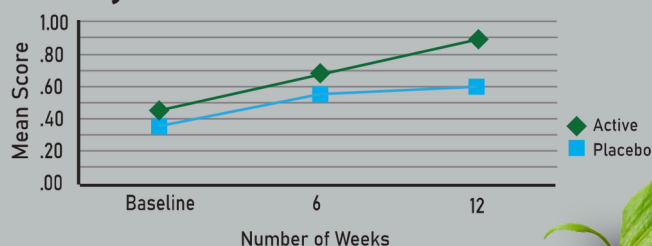
This proprietary *Eurycoma longifolia* / *Polygonum minus* combination - Eureka<sup>®</sup> significantly improves sexual health across several clinical parameters and boosts sexual satisfaction. Tongkat Ali has been historically known and used to improve sexual performance, physical strength and overall energy. The standardized *Eurycoma longifolia* extract (**Physta<sup>®</sup>**) was found to increase total testosterone as well as sperm count, motility and morphology.

Kesum is a highly antioxidant culinary herb (even higher than turmeric or ginger). The standardized Kesum Leaf Extract (**BioKesum<sup>®</sup>**) is clinically shown to reduce negative mood and support brain health

### SIA - Overall were you satisfied with this sexual experience?



### SIA - Did your erection last long enough for you to have successful intercourse?



SIA: Sexual Intercourse Attempt (SIA) Diary

Reference: Udani, et. al, 2011 - Presented at Scripps Natural Supplements Conference

## EXTRACT DESCRIPTION

|                          |                                    |                                    |
|--------------------------|------------------------------------|------------------------------------|
| <b>Botanical Name</b>    | Persicaria minor (Polygonum minus) | Eurycoma longifolia                |
| <b>Class</b>             | Magnoliopsida                      | Magnoliopsida                      |
| <b>Order</b>             | Polygonales                        | Sapindales                         |
| <b>Family</b>            | Polygonaceae                       | Simaroubceae                       |
| <b>Common Names</b>      | Small Water Pepper, Knotweed       | Tongkat Ali, Long Jack, Pasak Bumi |
| <b>Part Used</b>         | Leaves                             | Root                               |
| <b>Country of Origin</b> | Malaysia                           |                                    |
| <b>Shelf Life</b>        | 2 years                            |                                    |
| <b>Extraction Method</b> | Water                              |                                    |
| <b>Recommended Dose</b>  | 300 mg/day                         |                                    |

## EXTRACT SPECIFICATION

### ORGANOLEPTIC

| Test Parameter                | Method/Reference | Specification       |
|-------------------------------|------------------|---------------------|
| <b>Odour</b>                  | In-House         | Characteristic      |
| <b>Colour (Extract Blend)</b> |                  | Light to Dark Brown |

### PHYSICAL CHARACTERISTIC

|                       |          |          |
|-----------------------|----------|----------|
| <b>Loss on Drying</b> | In-House | ≤ 10.0 % |
|-----------------------|----------|----------|

### BIOACTIVE CONTENT

|                                |                      |                 |
|--------------------------------|----------------------|-----------------|
| <b>Eurycomanone</b>            | HPLC Analysis        | 0.48 % - 1.10%  |
| <b>Quercetin-3-Glucuronide</b> | HPLC Analysis        | ≥ 0.13%         |
| <b>Total Phenolic</b>          | UV Spectrophotometer | ≥ 30 mg GAE/gDE |
| <b>Total Protein</b>           | Gravimetric          | ≥ 24 %          |
| <b>Glycosaponin</b>            | UV Spectrophotometer | ≥ 13%           |

### HEAVY METAL

|                     |                   |            |
|---------------------|-------------------|------------|
| <b>Lead (Pb)</b>    |                   | ≤ 2.0 ppm  |
| <b>Mercury (Hg)</b> | Atomic Absorption | ≤ 0.05 ppm |
| <b>Arsenic (As)</b> | Spectroscopy      | ≤ 1.0 ppm  |
| <b>Cadmium (Cd)</b> |                   | ≤ 0.3 ppm  |

### MICROBIAL LIMIT TEST

|                                             |                                         |                             |
|---------------------------------------------|-----------------------------------------|-----------------------------|
| <b>Total Aerobic Microbial Count</b>        |                                         | ≤ 1 x 10 <sup>4</sup> cfu/g |
| <b>Total Yeasts &amp; Mould</b>             |                                         | ≤ 1 x 10 <sup>2</sup> cfu/g |
| <b>Bile-tolerant Gram Negative Bacteria</b> | Latest Version of British Pharmacopoeia | ≤ 1 x 10 <sup>2</sup> cfu/g |
| <b>Salmonella</b>                           |                                         | Absent in 25g               |
| <b>Escherichia coli</b>                     |                                         | Absent in 1g                |
| <b>Staphylococcus aureus</b>                |                                         | Absent in 1g                |

## About Us

Formed in 2007, Biotropics Malaysia Berhad is a wholly Malaysian company driven by our philosophy to produce superior natural health products for local and international markets. We achieve this by turning yesterday's traditional approach towards health & well-being into tomorrow's innovative health solutions, by verifying time-honoured traditions through state-of-the-art science.

## Quality Assurance

Biotropics emphasizes quality control at every step of the supply chain from sourcing to final packing. Our manufacturing subsidiary Phytes Biotech Sdn. Bhd. is certified for GMP, ISO 22000 and HACCP, and is USFDA inspected.



Under Phytes Biotech Sdn. Bhd.



## Contact Details

### Office & Manufacturing Facility

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