

# Tongkat Ali Extract Data Sheet

**Report No:** 1-030701

**Date:** July 1, 2003

**Product name:** Tongkat Ali 1:50 Extract

**Produced by:** UD Sumatra Pasak Bumi, Medan, Indonesia

**Ingredients:** 100 % Tongkat Ali extract

**Scientific name:** Eurycoma longifolia jack

**Part of plant used:** roots only

**Country of origin:** Indonesia

**Area of origin:** Sumatra island

**Extract strength:** 50 parts of root to 1 part of root extract

**Recommended dosage:** 100 mg to 1000 mg

**Medium of extraction:** water

**Active ingredients:** quassinoids: eurycomanone, eurycomanol, eurycomalactone; various canthine-6-one alkaloids

**Appearance:** fine powder

**Mesh size:** 80

**Color:** dark brown

**Odor:** characteristic

**Taste:** extremely bitter

**Solubility:** 98 percent in water or alcohol (this requires autoclaving temperatures and at least 10 atmosphere of pressure; solubility in standard warm water: approximately 50 percent)

**Water content:** less than 2 percent

**Ash content:** less than 3 percent

**Sterilization method:** heat

**Packaging:** plastic bags

## Microbiological profile

**Total plate count per gram:**

**Yeasts and molds:** NMT 100cfu / gram

**Salmonella in 10 gram:** undetected

**E. coli in 10 gram:** undetected

**Staphylococcus in 10 gram:** undetected

## Heavy metals

**Cadmium (Cd):** undetectable (visible spectrophotometer)

**Lead (Pb):** 0.08 ppm (visible spectrophotometer)

**Arsenic (As):** undetectable (visible spectrophotometer)