



Abel Herb Products Co., Ltd.

88/42 Casa Grand Sukhapiban 5, Sai Mai Rd., Sai Mai, Sai Mai, Bangkok 10220, Thailand  
Tel: +662-101-9080 E-mail: cs@abelherb.com Website: www.abelherb.com

## CERTIFICATE OF ANALYSIS (COA)

### BUTEA SUPERBA POWDER EXTRACT (Top Grade)

**BATCH NO.: BSP18051601**

**Manufacturing Date: 16/05/2018 | Expiry Date: 16/05/2022**

#### PRODUCT IDENTITY

Product Name	: Butea Superba Powder Extract (Top Grade)
Material	: 100% Cultivar Butea Superba Root
Particle Size	: 80-100 Mesh
Extraction Process	: Water
Preservative	: NIL
Pesticides Residue	: Negative
Appearance	: Brown Powder
Solubility	: Partial Soluble in Water
Product Type	: Food Grade
Serving Quantity	: ¼ tsp. (0.5g)
Shelf Life	: 4 Years
Packaging	: 1 kg per pack sealed in a double layer laminated bag
HS Code	: 12119019
Country of Origin	: Thailand
Manufacturer	: Abel Herb Products Co., Ltd.
Telephone	: +662-101-9080
E-mail	: cs@abelherb.com

#### MICROBIOLOGICAL TEST

Total Aerobic Plate Count (BAM 2001)	<10 CFU/g	Conforms
Yeast & Mold (BAM 2001)	<25 CFU/g	Conforms
E. Coli (BAM 2013)	<3 MPN/g	Conforms
Coliforms (BAM 2013)	Negative/g	Conforms
Staphylococcus aureus (BAM 2001)	Negative/1g	Conforms
Salmonella spp (BAM 2014)	Negative/25g	Conforms
Streptococcus spp (TIS)	Negative/10g	Conforms
Pseudomonas aeruginosa (BAM 2001)	Negative/25g	Conforms
Clostridium perfringens (BAM 2001)	Negative/0.1g	Conforms

#### HEAVY METALS TEST

Arsenic (AOAC 2005)	0.15 ppm	Conforms
Cadmium (AOAC 2005)	0.10 ppm	Conforms
Hexavalent Chromium (AOAC 2012)	0.04 ppm	Conforms
Lead (AOAC 2005)	0.88 ppm	Conforms
Mercury (US EPA)	<0.002 ppm	Conforms
Toxic Heavy Metals (Colorimetry)	<5.00 ppm	Conforms
Zinc (AOAC 2005)	16.78 ppm	Conforms
Copper (AOAC 2005)	2.25 ppm	Conforms



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#### PESTICIDE TEST

Organochlorine group (JAOAC 2007)	Negative	Conforms
Organophosphate group (JAOAC 2007)	Negative	Conforms
Carbamate group (JAOAC 2007)	Negative	Conforms

#### NUTRITION TEST

##### Per 100 g

Total Carbohydrate (g)	74.37	Conforms
Dietary Fiber (g)	28.00	Conforms
Total Sugar (g)	26.00	Conforms
Protein (g)	6.28	Conforms
Total Fat (g)	0.38	Conforms
Calcium (mg)	3113.29	Conforms
Iron (mg)	17.43	Conforms
Calories (Cal)	393.00	Conforms
Calories from fat (Cal)	4.11	Conforms
Ash (g)	4.17	Conforms
Moisture (g)	7.72	Conforms

#### ACTIVE COMPOUNDS TEST

Flavonoid (HPLC)	98.34 mg/100g	Conforms
Flavonoid glycoside (HPLC)	87.52 mg/100g	Conforms
Isoflavone (HPLC)	62.94 mg/100g	Conforms

#### INTOLERANCE INFORMATION

Free from All Animal Products
Free from Peanuts and Peanut Derivatives
Free from Other Nuts and Nut Derivatives
Free from Milk and Milk Derivatives
Free from Egg and Egg Derivatives
Free from Additives
Free from Ethanol
Free from Preservatives

*We confirm that the above information is sourced from the original manufacturer's specification and based on the reliable test and data. However, it should not be construed as guaranteeing specific properties and it is the individual's consideration to determine the usage of the product.*