



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 LIQUID EXTRACT (Top Grade)

BATCH NO.: BSL18052701

Manufacturing Date: 27/05/2018 | Expiry Date: 27/05/2022

PRODUCT IDENTITY

Product Name	: Butea Superba Liquid Extract (Top Grade)
Material	: Cultivar Butea Superba Root
Extraction Process	: Maceration
Preservative	: NIL
Pesticides Residue	: Negative
Appearance	: Brown Liquid
Solubility	: Propylene Glycol
Shelf Life	: 4 Years
Packaging	: 1 liter packed in plastic gallon
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)	<1.0 CFU/ml	Conforms
Yeast & Mold (BAM 2001)	<1.0 CFU/ml	Conforms
E. Coli (BAM 2002)	<1.0 CFU/ml	Conforms
Coliforms (BAM 2002)	<1.0 CFU/ml	Conforms
Staphylococcus aureus (COMP 2001)	<1.0 CFU/ml	Conforms
Salmonella spp (BAM 2006)	Negative/25ml	Conforms
Pseudomonas aeruginosa (BAM 2001)	Negative/25ml	Conforms
Clostridium perfringens (BAM 2001)	<1.0 CFU/ml	Conforms
Enterobacteriaceae (COMP 2001)	<1.0 CFU/ml	Conforms

HEAVY METALS TEST

Arsenic (AOAC 2000)	0.06 ppm	Conforms
Cadmium (AOAC 2000)	0.04 ppm	Conforms
Hexavalent Chromium (AOAC 2012)	0.04 ppm	Conforms
Lead (AOAC 2000)	0.35 ppm	Conforms
Mercury (AOAC 2005)	0.08 ppm	Conforms
Toxic Heavy Metals (Colorimetry)	<5.00 ppm	Conforms
Zinc (AOAC 2000)	0.49 ppm	Conforms
Copper (AOAC 2000)	0.28 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

ACTIVE COMPOUNDS TEST

Flavonoid (HPLC)	94.40 mg/100ml	Conforms
Flavonoid glycoside (HPLC)	58.42 mg/100ml	Conforms
Isoflavone (HPLC)	6.89 mg/100ml	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.