



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

SARDI 190 - PUERARIA MIRIFICA LIQUID EXTRACT (Top Grade)

BATCH NO.: SPML18041001

Manufacturing Date: 10/04/2018 | Expiry Date: 10/04/2022

PRODUCT IDENTITY

Product Name	: Sardi 190-Pueraria Mirifica Liquid Extract (Top Grade)
Material	: Cultivar Sardi 190-Pueraria Mirifica Root
Extraction Process	: Maceration
Preservative	: NIL
Pesticides Residue	: Negative
Appearance	: Yellowish Liquid
Solubility	: Propylene Glycol
Shelf Life	: 4 Years
Packaging	: 1 liter packed in plastic gallon
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 CFU/ml	Conforms
Yeast & Mold (BAM 2001)	<1 CFU/ml	Conforms
E. Coli (BAM 2013)	<1 MPN/ml	Conforms
Coliforms (BAM 2013)	<1 CFU/ml	Conforms
Staphylococcus aureus (BAM 2001)	Negative/1ml	Conforms
Salmonella spp (BAM 2014)	Negative/25ml	Conforms
Streptococcus spp (TIS)	Negative/10ml	Conforms
Pseudomonas aeruginosa (BAM 2001)	Negative/25ml	Conforms
Clostridium perfringens (BAM 2001)	Negative/0.1ml	Conforms

HEAVY METALS TEST

Arsenic (AOAC 2012)	Not Detected	Conforms
Cadmium (AOAC 2012)	Not Detected	Conforms
Lead (AOAC 2012)	Not Detected	Conforms
Magnesium (AOAC 2005)	0.50 ppm	Conforms
Mercury (US EPA)	< 0.005 ppm	Conforms
Toxic Heavy Metals (Colorimetry)	<5.00 ppm	Conforms
Zinc (AOAC 2005)	0.85 ppm	Conforms
Copper (AOAC 2005)	< 0.35 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)	68.80	Conforms
Dietary Fiber (g)	45.30	Conforms
Total Sugar (g)	25.18	Conforms
Protein (g)	8.25	Conforms
Total Fat (g)	1.50	Conforms
Calcium (mg)	2556.80	Conforms
Iron (mg)	48.20	Conforms
Calories (Cal)	320	Conforms
Calories from fat (Cal)	15.5	Conforms
Ash (g)	3.67	Conforms
Moisture (g)	6.25	Conforms

ACTIVE COMPOUNDS TEST

CHROMENE		Conforms
Miroestrol (HPLC)	35.86 mg/100g	Conforms
ISOFLAVONOID		Conforms
Puerarin (HPLC)	589.674 mg/100g	Conforms
Daidzin (HPLC)	365.283 mg/100g	Conforms
Daidzein (HPLC)	25.512 mg/100g	Conforms
Genistin (HPLC)	78.741 mg/100g	Conforms
Genistein (HPLC)	69.886 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.