

Kwao Krua Dang (Butea superba)







Androgen Hormones: Source of Men's Power

Androgen is the hormone that stimulates or controls the development and maintenance of male characteristics such as increased muscle mass and strength, enlargement of the penis, sperm production and etc.

Male Menopause (Andropause): The Reduction of Male Sex Hormones

Normally, the Testosterone to Estrogen ratio in adult male is about 50:1 and gradually decreases to around 20:1 although it can decrease by up to 8:1 depending on age.

The effects that mostly occur are depression, loss of energy and concentration, mood swings, loss of muscle tone, loss of libido and potency, erectile dysfunction, hair loss and other symptoms.

Phyto-androgens: the Hormones from Nature

Butea superba is a native herb of Thailand that has been using as rejuvenation and aphrodisiac herb for over 100 years due to its hormone stimulating mechanism from its chemical constituents that act like androgen hormones. (Androgenic effect)

Chemical Constituents from Butea superba

The chemical constituents from *Butea superba* consist of flavonoids, flavonoid glycosides and phytosterols such as Butesuperins A and B, beta-sitosterol, campesterol, stigmasterol and others.



CONTACT





Benefits

- Androgenic effect and anti-estrogenic activity (aphrodisiac effect)
- Improving penile erection
- Increasing sperm quantity, motility and Concentration
- Increasing hair growth
- Immuno-stimulating action

Applications

For your convenience, we have Butea superba available in many forms to be used for various kinds of products such as dietary supplement, food & beverages and cosmetics.

- Crude Powder
- Extract Liquid
- Extract Powder

Quality Control

Puerarin, Daidzin, Genistin, Daidzein and Genistein is the Isoflavones which are used for standardization of crude extract by HPLC analysis and also use for control a quality as marker.

Dosage and Safety

- Maximum dose depends on each country's FDA restrict
- Should not use if under 25 years of age, who are diagnosed with Hypertension, tumors/cancer in Prostate and Benign Prostatic Hyperplasia (BPH)

Packaging

Standard Package: Plastic vacuum bag
Plastic gallon container

Packaging can be provided in a variety of container types, depending on customs requirements.

Recommended Storage

Storage in cool and dry place away from light, excessive heat or freezing temperatures
Shelf life: 2 years

Documents

We provide copies of Specification Sheet, MSDS, Plant information and HPLC analysis report



E-mail: info@avaplant.com





Kwao Krua Dang (Butea superba) Dry Slice (non-sterile)

Specification Sheet General information		
Part of plant:	Tuber/root	
Origin:	Thailand	
Physical analysis		
Appearance:	Dry slice	
Color:	Brownish	
Odor:	Woody	
Taste:	Slightly sweet	
Active content analysis (Quantitativ	e analysis)	
Active compounds (mg/100g):	Total 5 Isoflavones not less than 30 mg%	
(specific data based on COA)	(Puerarin, Genistin, Daidzin, Genistein, Daidzein)	
Heavy metal analysis		
Arsenic:	< 0.5 ppm	
Lead:	< 1 ppm	
Cadmium:	< 0.5 ppm	
Mercury:	< 0.5 ppm	
Pesticide residue analysis		
Organochlorine group:	Not detected	
Organophosphate group:	Not detected	
Pyrethroid group:	Not detected	
Carbamate group:	Not detected	
Microbiology analysis(maximum allov	vable data only, specific data based on COA)	
Total aerobic plate count:	<10 ⁶ cfu/g	
Yeast and Mold:	<10³cfu /g	
Clostridium pefringens:	<10 cfu /g	
Escherichia coli:	<10 MPN/g	
Coliforms:	<10 ³ MPN/g	
Pseudomonas aeroginosa:	Not detected	
Samonella spp.:	Not detected	
Strephylococcus aureus:	< 10 cfu/g	
Streptococcus spp.:	Not detected	

Revision Date: 12/05/2015; 16:00 h.









Kwao Krua Dang (Butea superba) Powder

Specification Sheet General information		
Part of plant:	Tuber/root	
Origin:	Thailand	
Physical analysis		
Appearance:	Powder	
Color:	Red to brownish	
Odor:	Woody	
Taste:	Slightly sweet	
Active content analysis (Quantitativ	e analysis)	
Active compounds (mg/100g):	Total 5 Isoflavones not less than 30 mg%	
(specific data based on COA)	(Puerarin, Genistin, Daidzin, Genistein, Daidzein)	
Heavy metal analysis		
Arsenic:	< 0.5 ppm	
Lead:	< 1 ppm	
Cadmium:	< 0.5 ppm	
Mercury:	< 0.5 ppm	
Pesticide residue analysis		
Organochlorine group:	Not detected	
Organophosphate group:	Not detected	
Pyrethroid group:	Not detected	
Carbamate group:	Not detected	
Microbiology analysis (maximum allov	vable data only, specific data based on COA)	
Aerobic plate count:	<10 ⁴ CFU/g	
Yeast and Mold:	<100 CFU/g	
Clostridium pefringens:	Not detected	
Escherichia coli:	<3 MPN/g	
Coliforms:	Not detected	
Pseudomonas aeroginosa:	Not detected	
Samonella spp.:	Not detected	
Strephylococcus aureus:	Not detected	
Streptococcus spp.:	Not detected	

Revision Date: 12/05/2015; 16:00 h.









Kwao Krua Dang (Butea superba) Extract Liquid

Specification Sheet		
General information		
Product name:	Kwao Krua Dang (<i>Butea superba</i>) Extract Liquid	
Part of plant:	Tuber/root	
Origin:	Thailand	
Method of extraction:	Liquid Extraction	
Physical analysis		
Appearance:	Clear solution	
Color:	Red to brownish	
Odor:	Woody	
Taste:	Bitter	
Active content analysis (Quantitative	e analysis)	
Active compounds (mg/100mL):	Total 5 Isoflavones not less than 50 mg%	
(specific data based on COA)	(Puerarin, Genistin, Daidzin, Genistein, Daidzein)	
Heavy metal analysis		
Arsenic:	< 2 ppm	
Lead:	<1 ppm	
Cadmium:	< 0.5 ppm	
Mercury:	< 0.5 ppm	
Microbiology analysis (maximum allowable data only, specific data based on COA)		
Total aerobic plate count:	<10 ⁴ CFU/mL	
Yeast and Mold:	< 100 CFU/mL	
Clostridium pefringens:	Not detected	
Escherichia coli:	< 3 MPN/mL	
Coliforms:	Not detected	
Pseudomonas aeroginosa:	Not detected	
Samonella spp.:	Not detected	
Strephylococcus aureus:	Not detected	
Streptococcus spp.:	Not detected	

Revision Date: 12/05/2015; 16:00 h.









Kwao Krua Dang (Butea superba) Extract Powder

Specification Sheet General information		
Part of plant:	Tuber/root	
Origin:	Thailand	
Method of extraction:	Supercritical Fluid Extraction with CO ₂	
Physical analysis		
Appearance:	Powder	
Color:	Brown	
Odor:	Woody	
Taste:	Slightly sweet	
Active content analysis (Quantitativ	ve analysis)	
Active compounds (mg/100g):	Total 5 Isoflavones not less than 200 mg%	
(specific data based on COA)	(Puerarin, Genistin, Daidzin, Genistein, Daidzein)	
Heavy metal analysis		
Arsenic:	< 2 ppm	
Lead:	<1 ppm	
Cadmium:	Not detected	
Mercury:	Not detected	
Microbiology analysis (maximum allowable data only, specific data based on COA)		
Total aerobic plate count:	<10 ³ CFU/g	
Yeast and Mold:	<10 CFU/g	
Clostridium pefringens:	Not detected	
Escherichia coli:	<3 MPN/g	
Coliforms:	Not detected	
Pseudomonas aeroginosa:	Not detected	
Samonella spp.:	Not detected	
Strephylococcus aureus:	Not detected	
Streptococcus spp.:	Not detected	

Revision Date: 01/10/2015; 16:30 h.





