

Certificate of Analysis

Product Name: Butea superba powder
 Product Code: BS-pp
 Lot. No. QHA61020101
 Manufacturing Date: 01/02/2018
 Expiry Date: 01/02/2020

Profile	Specification	Result
Physical Analysis		
Appearance:	Brownish fine powder	Conform
Active Content Analysis (Quantitative analysis)		
Analysis Date:	06/02/2018	
Method of Analysis:	HPLC (In-house Method)	
Active compounds (mg/100g):	5 Isoflavones not less than 100 mg/100g.	Puerarin 77.162 ± 0.5596 Daidzin 19.372 ± 0.5533 Genistin 136.474 ± 0.1559 Genistein 6.017 ± 0.2741
Heavy Metal Analysis		
Arsenic:	< 0.5 ppm	0.12
Lead:	< 2 ppm	1.13
Cadmium:	< 0.5 ppm	0.09
Mercury:	< 0.5 ppm	Not detected
Pesticide Residue Analysis		
Organochlorine group:	Not detected	Not detected
Organophosphate group:	Not detected	Not detected
Pyrethroid group:	Not detected	Not detected
Carbamate group:	Not detected	Not detected
Microbiology Analysis		
Total aerobic plate count:	<10 ³ cfu/g	< 10 cfu/g
Yeast and Mold:	<100 cfu/g	< 10 cfu/g
Clostridium pefringens:	Not detected	Not detected
Escherichia coli:	<10 MPN/g	< 3.0 MPN/g
Coliforms:	Not detected	< 10 cfu/g
Samonella spp.:	Not detected	Not detected
Strephylococcus aureus:	Not detected	Not detected

Ekaluck Kaedaeng
 Technician Responsible

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Quantitative Analysis

Typical composition, Guaranteed Potency:

Content as measured by HPLC,

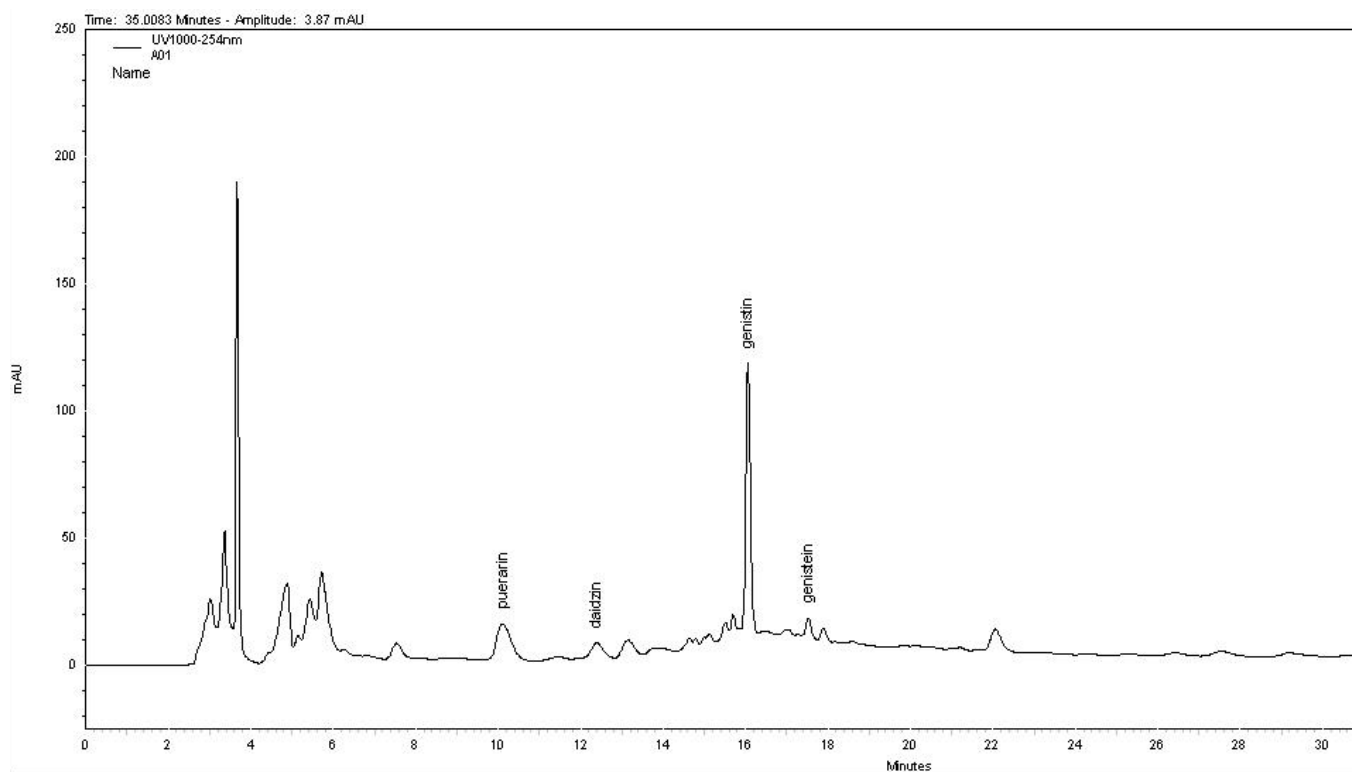


Figure 1, Chromatogram of *Butea superba* powder premium contains

Puerarin	77.162	± 0.5596 mg/100 g.
Daidzin	19.372	± 0.5533 mg/100 g.
Genistin	136.474	± 0.1559 mg/100 g.
Genistein	6.017	± 0.2741 mg/100 g.