

Certificate of Analysis

Product Name: Butea superba powder (premium grade)
 Product Code: BS-pp
 Lot. No. QA63090103
 Manufacturing Date: 01/09/2020
 Expiry Date: 01/09/2022

Profile	Specification	Result
Physical Analysis		
Appearance:	Brownish fine powder	Conform
Active Content Analysis (Quantitative analysis)		
Analysis Date:	15/09/2020	
Method of Analysis:	HPLC (In-house Method)	
Active compounds (mg/100g):	5 Isoflavones not less than 100 mg/100g.	Puerarin 65.430 ± 0.2519 Daidzin 6.469 ± 0.4626 Genistin 139.402 ± 0.0951 Genistein 3.399 ± 0.1124
Heavy Metal Analysis		
Arsenic:	< 0.5 ppm	Conform
Lead:	< 2 ppm	Conform
Cadmium:	< 0.5 ppm	Conform
Mercury:	< 0.5 ppm	Conform
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,

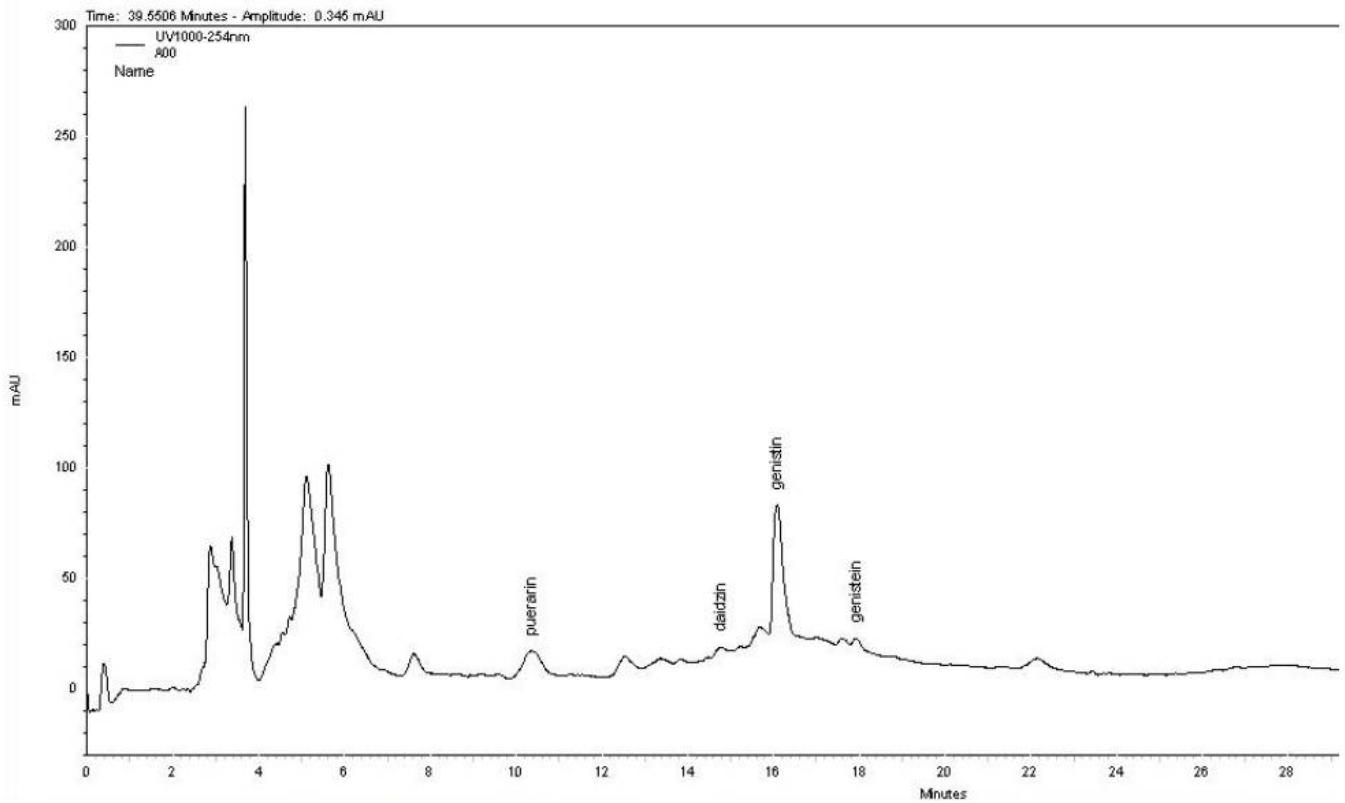


Figure 1, Chromatogram of *Butea superba* powder premium contains

Puerarin	65.430	± 0.2519 mg/100 g.
Daidzin	6.469	± 0.4626 mg/100 g.
Genistin	139.402	± 0.0951 mg/100 g.
Genistein	3.399	± 0.1124 mg/100 g.

