

Certificate of Analysis

Product Name: Butea superba powder (premium grade)
 Product Code: BS-pp
 Lot. No. QA63040802
 Manufacturing Date: 08/04/2020
 Expiry Date: 08/04/2022

Profile	Specification	Result
Physical Analysis		
Appearance:	Brownish fine powder	Conform
Active Content Analysis (Quantitative analysis)		
Analysis Date:	21/04/2020	
Method of Analysis:	HPLC (In-house Method)	
Active compounds (mg/100g):	5 Isoflavones not less than 100 mg/100g.	Puerarin 41.661 ± 0.0044 Genistin 160.381 ± 0.7718 Genistein 2.416 ± 0.0922 Daidzein 6.375 ± 0.2006
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



Certificate of Analysis

Quantitative Analysis

Typical composition, Guaranteed Potency:

Content as measured by HPLC,

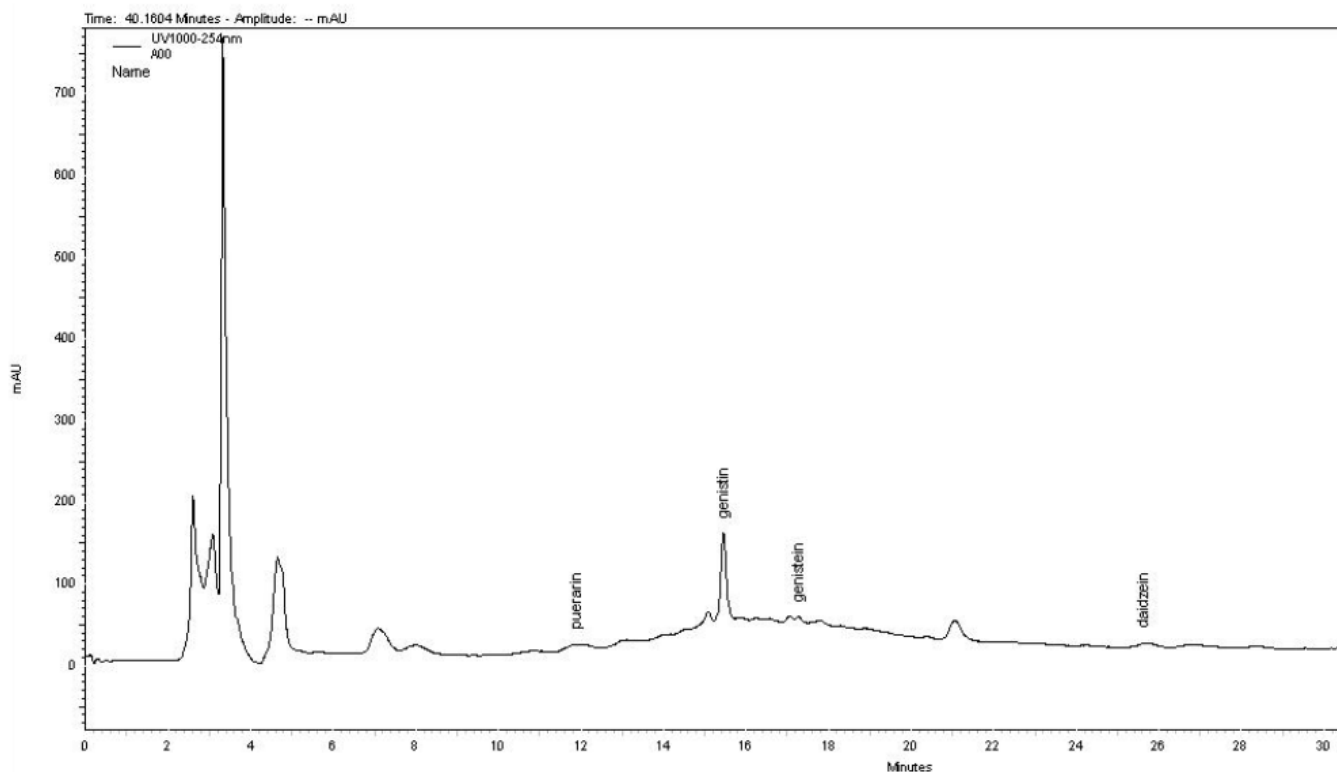


Figure 1, Chromatogram of *Butea superba* powder premium contains

Puerarin	41.661	± 0.0044	mg/100 g.
Genistin	160.381	± 0.7718	mg/100 g.
Genistein	2.416	± 0.0922	mg/100 g.
Daidzein	6.375	± 0.2006	mg/100 g.

