

Certificate of Analysis

Product Name: Black Ginger powder (*Kaempferia parviflora*)
 Product Code: KP-ps
 Lot. No. SD61052301
 Manufacturing Date: 23/05/2018
 Expiry Date: 23/05/2020

Profile	Specification	Result
Physical Analysis		
Appearance:	Fine powder	Conform
Color:	Purple brown	Conform
Moisture:	Not more than 8%	5.8 %
Particle size:	80 mesh	Conform
Active Content Analysis (Quantitative analysis)		
Analysis Date:	28/05/2018	
Method of Analysis:	HPLC (In-house Method)	
Active compounds (mg/100g):	5,7-Dimethoxyflavone > 0.5%	0.84 %
Heavy Metal Analysis		
Arsenic:	< 2 ppm	0.13
Lead:	< 1 ppm	0.56
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	< 100 cfu/g
Yeast and Mold:	<100 cfu/g	< 10 cfu/g
Escherichia coli:	<10 MPN/g	Conform
Clostridium pefringens:	Not detected	Not detected
Coliforms:	Not detected	Not detected
Pseudomonas aeruginosa:	Not detected	Not detected
Samonella spp.:	Not detected	Not detected
Strephylococcus aureus:	Not detected	Not detected

Witoon Youngsa-ad
 Technician Responsible

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Quantitative Analysis

Typical composition, Guaranteed Potency:

Content as measured by HPLC,

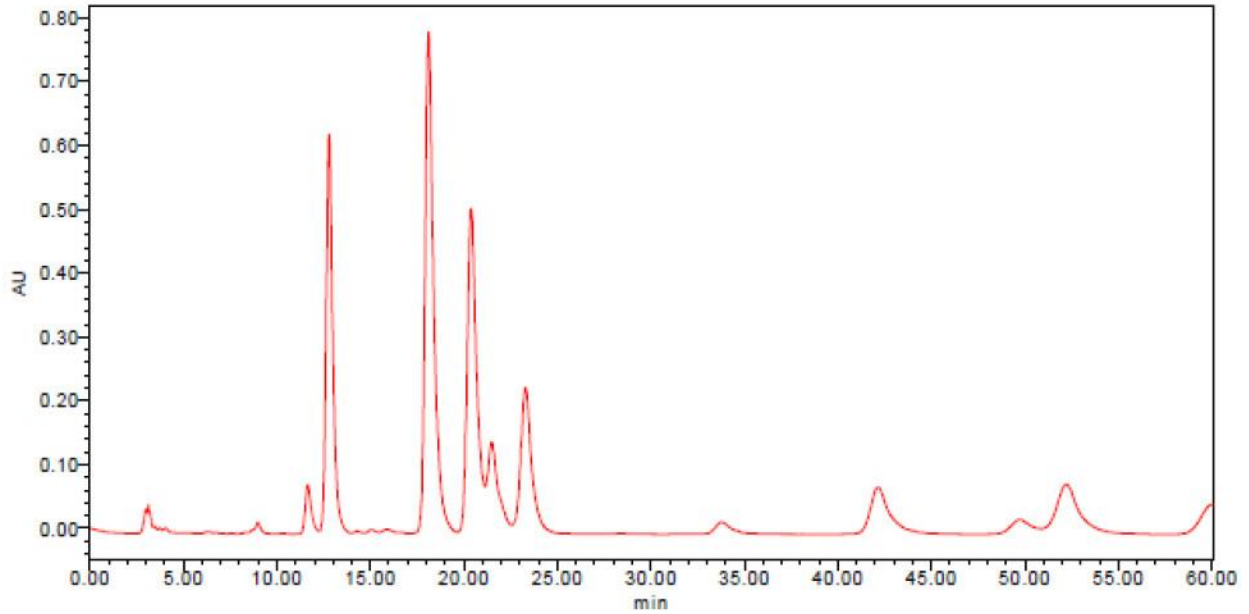


Figure 1, Chromatogram of *Kaempferia parviflora* powder contains 5,7-Dimethoxyflavone 0.84 %w/w.