

**T.K. Group Labs**  
**Ankeny, IA 50023**



**TrueKava.com**  
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## Certificate of Analysis

Date: April 8, 2017

Client: Kava Time

Description: Piper methysticum root powder

Lab sample: B0332 (TRIAL SAMPLE ONLY)

### Chemical Analysis

Identity: Piper methysticum root powder

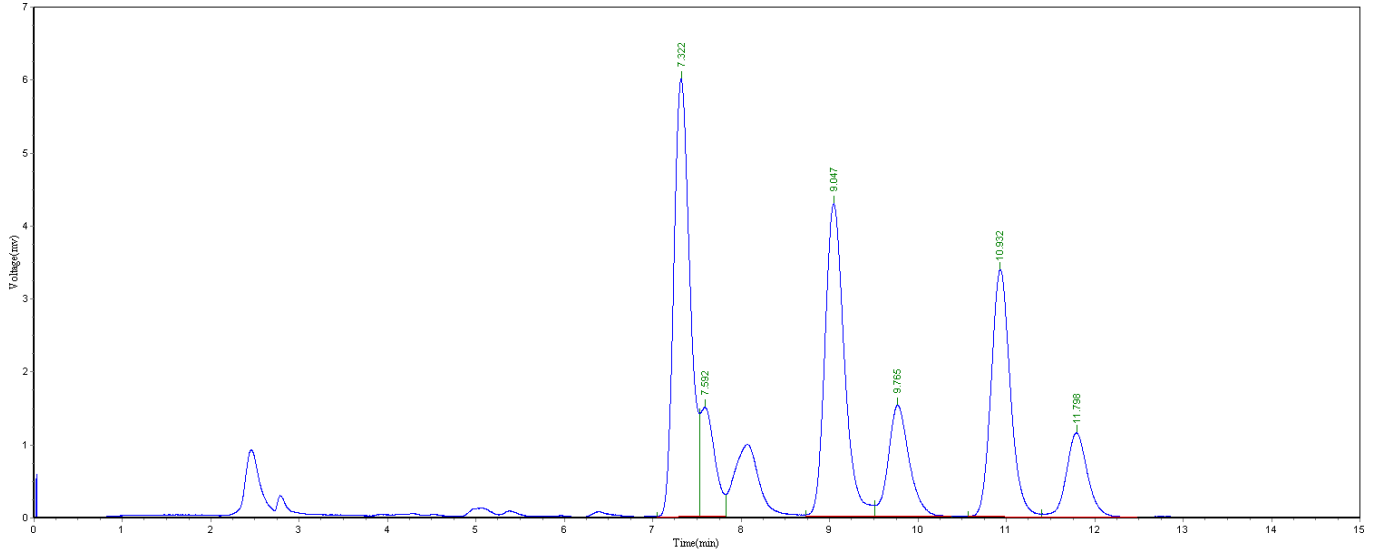
Purity: No adulteration detected

Strength: 6.90% total kavalactones by dry weight

Chemotype: 463251

### Data

code	description	vendor	chemotype
B0332	Gour Savu Waka Micro	KT	463251
qual:	pass		
chlor:	pass	rel. %	total %
1	Desmethoxyyangonin	6.94	0.48
2	Dihydrokawain	16.95	1.17
3	Yangonin	18.07	1.25
4	Kawain	26.25	1.81
5	Dihydromethysticin	11.40	0.79
6	Methysticin	20.39	1.41
K/DHM:	2.30	100.00	6.90



	code	desc	vendor	std K	K/DHM	qual	chemotype			
	B0332	Gour Savu Waka Micro	KT	47894	2.30		463251			
peak	KL	KL	RT	height	area	factor	corrected	rel. %	KL	total %
1	M	Methysticin	7.322	5995.183	76526	0.66	50507	20.39	6	1.41
2	DHM	Dihydromethysticin	7.592	1496.371	17115	1.65	28240	11.40	5	0.79
3	K	Kawain	9.047	4281.097	65019	1.00	65019	26.25	4	1.81
4	DHK	Dihydrokawain	9.765	1517.851	24692	1.70	41976	16.95	2	1.17
5	Y	Yangonin	10.932	3385.291	50859	0.88	44756	18.07	3	1.25
6	DMY	Desmethoxyyangonin	11.798	1151.718	19087	0.90	17178	6.94	1	0.48
							247678	100.00		6.90

Method: USP Piper methysticum Root and Rhizome Powder, Final Authorized Version 1.0  
 Column: USP L7, Kinetix C8 00F-1608-E0  
 Pump: Hitachi L6200A  
 Detector: Hitachi L4200  
 Oven: Shimadzu CTO-6A  
 CDS: Baseline N2000

Mode: HPLC  
 Detector: UV 220 nm  
 Column: 4.6-mm x 15-cm L7  
 Flow rate: 0.6 mL/min  
 Injection volume: 5 µL

PLEASE NOTE: Information provided on this Certificate of Analysis is certified accurate only for the sample submitted to T.K. Group Labs by the Company or Individual requesting this analysis. It is not guaranteed to represent products offered by that Company or Individual to wholesalers, vendors, or consumers.

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Analyst: Garry Stoner