

**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

Product: Taveuni's Lawena

Lab sample: B0321

### Chemical Analysis

Identity: Piper methysticum root powder

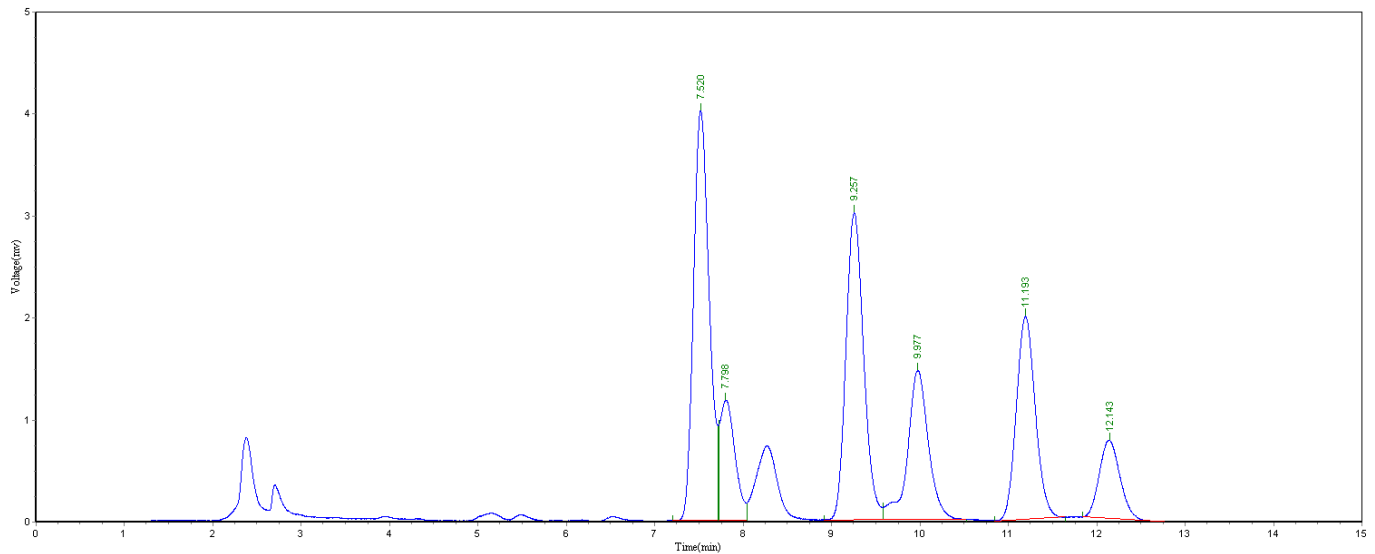
Purity: No adulteration detected

Strength: 4.89% total kavalactones by dry weight

Chemotype: 426351

### Data

code	description	vendor	chemotype
B0321	Taveuni's Lawena	KT	426351
qual:	pass		
chlor:	pass	rel. %	total %
1	Desmethoxyyangonin	6.38	0.31
2	Dihydrokawain	23.21	1.13
3	Yangonin	14.84	0.73
4	Kawain	23.89	1.17
5	Dihydromethysticin	13.07	0.64
6	Methysticin	18.61	0.91
K/DHM:	1.83	100.00	4.89



	code	desc	vendor	std K	K/DHM	qual	chemotype			
	B0321	Taveuni's Lawena	KT	47894	1.83		426351			
peak	KL	KL	RT	height	area	factor	corrected	rel. %	KL	total %
1	M	Methysticin	7.52	4016.414	49479	0.66	32656	18.61	6	0.91
2	DHM	Dihydromethysticin	7.798	1178.029	13902	1.65	22939	13.07	5	0.64
3	K	Kawain	9.257	3008.305	41933	1.00	41933	23.89	4	1.17
4	DHK	Dihydrokawain	9.977	1462.723	23963	1.70	40738	23.21	2	1.13
5	Y	Yangonin	11.193	1988.252	29598	0.88	26047	14.84	3	0.73
6	DMY	Desmethoxyyangonin	12.143	769.894	12442	0.90	11198	6.38	1	0.31
							175510	100.00		4.89

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

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Analyst: Garry Stoner