

Preliminary Analysis
T.K. Group Labs, Slater IA 50244
August 17, 2015
Submitted by: Zachary

code	description	vendor	chemotype
B0101	Zach 1	0.00	243651
KL		rel. %	total %
1	Desmethoxyyangonin	9.63	0.83
2	Dihydrokawain	26.04	2.26
3	Yangonin	15.98	1.38
4	Kawain	24.43	2.12
5	Dihydromethysticin	11.69	1.01
6	Methysticin	12.23	1.06
K/DHM:	2.09	100.00	8.66
qual:	borderline		
code	description	vendor	chemotype
B0102	Zach 2	0.00	254361
KL		rel. %	total %
1	Desmethoxyyangonin	8.98	0.53
2	Dihydrokawain	30.59	1.81
3	Yangonin	14.18	0.84
4	Kawain	16.27	0.96
5	Dihydromethysticin	18.44	1.09
6	Methysticin	11.54	0.68
K/DHM:	0.88	100.00	5.90
qual:	fail		

Method: USP Piper methysticum Root and Rhizome Powder, Final Authorized Version 1.0
Column: USP L7, YMC-Pack C8 OC12S05-1546WT
Pump: Hitachi L6200A
Detector: Hitachi L-4200
Oven: Shimadzu CTO-6A
CDS: Baseline N2000

Mode: HPLC
Detector: UV 220 nm
Column: 4.6-mm × 15-cm L7
Flow rate: 0.5 mL/min
Injection volume: 5 µL

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