Certificate of Analysis

ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124

CUSTOMER:

Kats Botanicals
750 Hickory Industrial Drive
Old Hickory, TN 37138



SAMPLE INFORMATION

Sample No.: 1398877
Product Name: Kava-Kratom
Matrix: Beverage
Lot #: 6810
PO #: 101394

Date Collected: 04/03/2026
Date Received: 04/09/2026
Date Reported: 04/17/2026

TEST SUMMARY

Alkaloids:	Tested	**Kavalactones:**	Pass
Microbiological Screen:	Tested	**Residual Solvent Screen:**	Pass
Heavy Metal Screen:	Pass	**Overall:**	Pass

Alkaloids

04/15/2026

Method: MF 12D030
Instrument: Liquid Chromatography Diode Array Detector (LC-DAD)
Limit of Detection 0.04 mg/g
Limit of Quantitation 0.1 mg/g

Analyte	mg/g	mg/g (dry)	%	% (dry)	mg/ml	mg/ package
7-OH Mitragynine	ND	ND	ND	ND	ND	ND
MGM-15	ND	ND	ND	ND	ND	ND
Mitragynine Pseudoindoxyl	ND	ND	ND	ND	ND	ND
Mitragynine	2.53	69.03	0.253	6.903	2.57	154.18
Paynantheine	0.33	8.97	0.033	0.897	0.33	20.04
Speciogynine	0.23	6.17	0.023	0.617	0.23	13.79
Speciociliatine	ND	ND	ND	ND	ND	ND
Total Alkaloids	3.08	84.18	0.308	8.418	3.13	188.01
Package Weight (g)	61.026					
g/ml Conversion Factor	1.0171					
Moisture	96.34 %					

Kavalactones

04/16/2026

Method: Standard Solution Assay Parameters provided by Cerilliant
Instrument: HPLC-DAD

Analyte	LOD/LOQ (mg/mL)	Findings (mg/mL)	Findings (mg/serving (0.67 oz))
Methysticin	-	0.85	16.86
Dihydromethysticin	-	0.98	19.35
Kavain	-	0.95	18.77
Dihydrokavain	-	1.81	35.91
Yangonin	-	0.56	11.06
Desmethoxyyangonin	-	0.41	8.08
Flavokawain C	0.001/0.006	None Detected	None Detected
Flavokawain A	-	0.06	1.16
Flavokawain B	-	0.13	2.67
Total Kavalactones	-	5.75	113.87

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Microbiological Screen

04/17/2026

Analyte	Findings	Units	Method
Standard Plate Count	<100	cfu/g	FDA BAM
Yeast	<10	cfu/g	FDA BAM
Mold	<10	cfu/g	FDA BAM
Coliforms	<10	cfu/g	FDA BAM - ECC AGAR
E. Coli	<10	cfu/g	FDA BAM - ECC AGAR
Salmonella	Negative	/25g	AOAC 2013.01

Residual Solvent Screen ✔ Pass

04/15/2026

Method: USP <467>

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.2/0.5	ND	5	Pass
Acetone	67/200	ND	5000	Pass
Acetonitrile	67/200	ND	410	Pass
Benzene	0.2/0.5	ND	2	Pass
n-Butane	67/200	ND	-	-
Chloroform	0.2/0.5	ND	60	Pass
Ethanol	67/200	ND	5000	Pass
Ethyl acetate	67/200	ND	5000	Pass
Ethyl ether	67/200	ND	5000	Pass
Ethylene oxide	0.2/0.5	ND	10	Pass
n-Heptane	67/200	ND	5000	Pass
n-Hexane	67/200	ND	290	Pass
Isopropyl alcohol	67/200	ND	5000	Pass
Methanol	67/200	<LOQ	3000	Pass
Methylene chloride	0.2/0.5	ND	600	Pass
n-Pentane	67/200	ND	5000	Pass
Propane	67/200	ND	-	-
Toluene	67/200	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	67/200	ND	2170	Pass
Trichloroethylene	0.2/0.5	ND	80	Pass

Heavy Metal Screen ✔ Pass

04/15/2026

Method: MF-CHEM-16

Instrument: Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Analyte	Findings (µg/day)	Limit (µg/day)	Status
Arsenic	ND	10	Pass
Cadmium	ND	4.1	Pass
Mercury	ND	2	Pass
Lead	ND	6	Pass

ND = None Detected
LOD = Limit of Detection
LOQ = Limit of Quantitation

Reported by

Vu Lam
Lab Co Director
April 17, 2026

Scan to verify

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