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.: 1366759
Product Name: Kava-Kratom
Matrix: Beverage
Lot #: 5870
PO #: 101273MIT

Date Collected: 12/09/2025
Date Received: 12/16/2025
Date Reported: 12/23/2025

TEST SUMMARY

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

Alkaloids

12/22/2025

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/ml	mg/serving	mg/package	Labeled mg/ serving	% Difference
7-OH Mitragynine	ND	ND	ND	ND	ND	-	-
Mitragynine Pseudoindoxyl	ND	ND	ND	ND	ND	-	-
Mitragynine	2.36	0.236	2.50	49.96	149.87	50	0.09
Paynantheine	0.31	0.031	0.33	6.51	19.54	-	-
Speciogynine	0.17	0.017	0.18	3.63	10.88	-	-
Speciociliatine	ND	ND	ND	ND	ND	-	-
Total Alkaloids	2.84	0.284	3.00	60.10	180.29	-	-
Serving Weight (g)	21.1460						
Package Weight (g)	63.44						
g/ml Conversion Factor	1.0573						

Kavalactones

12/22/2025

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

Analyte	LOD/LOQ	Findings	Units
Methysticin	-	0.56	mg/mL
Dihydromethysticin	-	0.66	mg/mL
Kavain	-	0.62	mg/mL
Dihydrokavain	-	1.24	mg/mL
Yangonin	-	0.34	mg/mL
Desmethoxyyangonin	-	0.27	mg/mL
Flavokawain C	0.001/0.006	None Detected	mg/mL
Flavokawain A	-	0.04	mg/mL
Flavokawain B	-	0.08	mg/mL
Total Kavalactones	-	3.80	mg/mL

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Microbiological Screen

12/22/2025

Method: FDA BAM

Analyte	Findings	Units
Coliforms	<10	cfu/g
E. coli	<10	cfu/g
Standard Plate Count	<100	cfu/g
Yeast	<10	cfu/g
Mold	<10	cfu/g

Residual Solvent Screen ✔ Pass

12/22/2025

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

12/23/2025

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	10	Pass

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

Reported by

Cynthia Kushi
Lab Co Director
December 23, 2025

Scan to verify

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