Certificate of Analysis

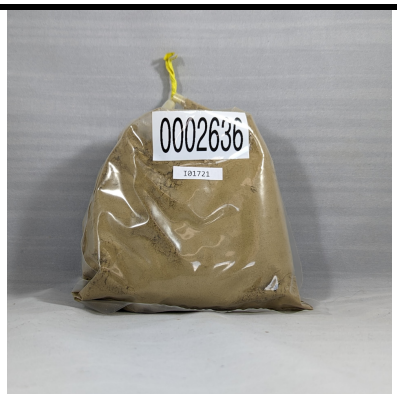
CUSTOMER INFORMATION

Client Name: Kats Botanicals
Address: 619 Old Hickory Blvd
Old Hickory, TN 37138
Phone Number: (877) 301-9923

TESTING FACILITY

Cora Science, LLC
8000 Anderson Square, STE 113
Austin, Texas 78757
(512) 856-5007
info@corascience.com

SAMPLE IMAGE(S)



JOB / SAMPLE INFORMATION

Received: 19 MAY 2023
Condition: Good
Job ID: ISO01247
Sample ID: I01721
Sample Name: Kratom Powder
Lot 0002636
Description: Finely ground plant material
Completed: 31 MAY 2023
Issued: 01 JUN 2023

TEST RESULT(S)

Mitragyna Alkaloids Assay (UHPLC-DAD) — **Method Code:** T102 — **Tested:** 23MAY2023 I 0004

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.24	w/w%	0.020	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.020	N/A
Paynantheine	Report Results	0.233	w/w%	0.020	N/A
Speciogynine	Report Results	0.209	w/w%	0.020	N/A
Speciociliatine	Report Results	0.383	w/w%	0.020	N/A
Total Mitragyna Alkaloids	Report Results	2.07	w/w%	0.020	N/A

Elemental Impurities (ICP-MS) — **Method Code:** T301 — **Tested:** 31MAY2023 I 1728

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.0	0.34	ug/g	0.045	PASS
Cadmium	NMT 0.4	0.037	ug/g	0.0090	PASS
Lead	NMT 1.25	0.52	ug/g	0.0090	PASS
Mercury	NMT 0.2	0.036	ug/g	0.0090	PASS

Microbiological Examination — **Method Code:** T005 — **Tested:** 22MAY2023 I 1442

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	33,133	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	2,200	CFU/gram	20 CFU/gram	PASS
Total Coliforms	10,000 CFU/gram	Not Detected	CFU/gram	20 CFU/gram	PASS
Escherichia coli	Not Detected in 10 grams	Not Detected	N/A	1 CFU/10 grams	PASS
Salmonella	Not Detected in 25 grams	Not Detected	N/A	1 CFU/25 grams	PASS

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ADDITIONAL REPORT NOTES

T301 performed by a registered outsourcing facility. Specifications provided by client.

REVISION HISTORY

rev00	Initial release.

This report has been authorized for release from Cora Science by:

Signature:		**Department:**	Management
Name:	Tyler West, Laboratory Director	**Date:**	01 JUN 2023

ABBREVIATIONS

ID: identification, **N/A:** not applicable, **LOQ:** limit of quantitation, **CFU:** colony forming units, **w/w%:** weight by weight percent, **mg:** milligrams, **g:** grams, **ug:** micrograms, **mL:** milliliters, **ND:** not detected, **<LOQ:** below limit of quantitation, **NMT:** no more than, **NLT:** no less than, **UHPLC:** ultra-high performance liquid chromatography, **GC:** gas chromatography, **DAD:** diode array detection/detector, **MS:** mass spectroscopy/spectrometer, **ICP:** inductively coupled plasma, **ISO:** International Organization for Standardization, **USP:** United States Pharmacopeia

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