

Certificate of Analysis



Customer Information

Client: Happy Hippo LLC
Attention: [REDACTED]@happyhippo.com
Address: 2145 E Pine Ave
 Meridian, ID 83642

Testing Facility

Lab: Cora Science, LLC
Address: 8000 Anderson Square, STE 113
 Austin, Texas 78757
Contact: [REDACTED]
 [REDACTED]

Sample Image(s)



Sample Information

Name: HH KRATOM EXTRACT TABLET 115 MG
Lot Number: BU0025030401
Description: Pressed Tablet
Condition: Good
Job ID: ISO04327
Sample ID: I11708
Received: 26JUN2025
Completed: 03JUL2025
Issued: 03JUL2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 02JUL2025 | 0142

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	119	mg/unit	0.015	N/A
7-Hydroxymitragynine	Report Results	0.241	mg/unit	0.015	N/A
Paynantheine	Report Results	0.603	mg/unit	0.015	N/A
Speciogynine	Report Results	0.268	mg/unit	0.015	N/A
Speciociliatine	Report Results	0.0423	mg/unit	0.015	N/A
Total Mitragyna Alkaloids	Report Results	120	mg/unit	0.015	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 02JUL2025 | 0142

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	23.5	w/w%	0.0029	N/A
7-Hydroxymitragynine	Report Results	0.0474	w/w%	0.0029	N/A
Paynantheine	Report Results	0.119	w/w%	0.0029	N/A
Speciogynine	Report Results	0.0529	w/w%	0.0029	N/A
Speciociliatine	Report Results	0.00834	w/w%	0.0029	N/A
Total Mitragyna Alkaloids	Report Results	23.7	w/w%	0.0029	N/A

Residual Solvents: Class I (GC-MS)

Method Code: T201

Tested: 03JUL2025 | 1158

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
1,1-Dichloroethene	NMT 8	<LOQ	ug/g	0.40	PASS
1,1,1-Trichloroethane	NMT 1500	<LOQ	ug/g	75	PASS
Tetrachloromethane	NMT 4	<LOQ	ug/g	0.20	PASS
Benzene	NMT 2	<LOQ	ug/g	0.10	PASS
1,2-Dichloroethane	NMT 5	<LOQ	ug/g	0.25	PASS

Residual Solvents: Class II (GC-MS)**Method Code: T201****Tested: 03JUL2025 | 1158**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Methanol	NMT 3000	<LOQ	ug/g	150	PASS
Acetonitrile	NMT 410	<LOQ	ug/g	41	PASS
Dichloromethane	NMT 600	<LOQ	ug/g	15	PASS
1,2-Dichloroethene, (E)	NMT 1870	<LOQ	ug/g	47	PASS
1,2-Dichloroethene, (Z)	NMT 1870	<LOQ	ug/g	47	PASS
Tetrahydrofuran	NMT 720	<LOQ	ug/g	18	PASS
Cyclohexane	NMT 3880	<LOQ	ug/g	97	PASS
Methylcyclohexane	NMT 1180	<LOQ	ug/g	30	PASS
1,4-Dioxane	NMT 380	<LOQ	ug/g	38	PASS
Toluene	NMT 890	<LOQ	ug/g	22	PASS
Chlorobenzene	NMT 360	<LOQ	ug/g	9.0	PASS
Ethylbenzene	NMT 2170	<LOQ	ug/g	54	PASS
o/p-Xylene	NMT 2170	<LOQ	ug/g	54	PASS
m-Xylene	NMT 2170	<LOQ	ug/g	54	PASS
Isopropylbenzene	NMT 70	<LOQ	ug/g	1.8	PASS
Hexane	NMT 290	<LOQ	ug/g	7.3	PASS
Nitromethane	NMT 50	<LOQ	ug/g	1.3	PASS
Chloroform	NMT 60	<LOQ	ug/g	1.5	PASS
1,2-Dimethoxyethane	NMT 100	<LOQ	ug/g	2.5	PASS
Trichloroethene	NMT 80	<LOQ	ug/g	2.0	PASS
Pyridine	NMT 200	<LOQ	ug/g	5.0	PASS
2-Hexanone	NMT 50	<LOQ	ug/g	5.0	PASS
Tetralin	NMT 100	<LOQ	ug/g	2.5	PASS

Residual Solvents: Class III (GC-MS)**Method Code: T201****Tested: 03JUL2025 | 1158**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Pentane	NMT 5000	<LOQ	ug/g	125	PASS
Ethanol	NMT 5000	<LOQ	ug/g	125	PASS
Diethyl Ether	NMT 5000	<LOQ	ug/g	125	PASS
Acetone	NMT 5000	<LOQ	ug/g	125	PASS
Ethyl Formate	NMT 5000	<LOQ	ug/g	125	PASS
Isopropanol	NMT 5000	<LOQ	ug/g	125	PASS
Methyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
Methyl tert-Butyl Ether	NMT 5000	<LOQ	ug/g	125	PASS
1-Propanol	NMT 5000	<LOQ	ug/g	125	PASS
2-Butanone	NMT 5000	<LOQ	ug/g	125	PASS
Ethyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
2-Butanol	NMT 5000	<LOQ	ug/g	125	PASS
2-Methyl-1-Propanol	NMT 5000	<LOQ	ug/g	125	PASS
Isopropyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
Heptane	NMT 5000	<LOQ	ug/g	125	PASS
1-Butanol	NMT 5000	<LOQ	ug/g	125	PASS
Propyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
4-Methyl-2-Pentanone	NMT 5000	<LOQ	ug/g	125	PASS
Isoamyl Alcohol	NMT 5000	<LOQ	ug/g	125	PASS
Isobutyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
1-Pentanol	NMT 5000	<LOQ	ug/g	125	PASS
Butyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
Dimethylsulfoxide	NMT 5000	<LOQ	ug/g	125	PASS
Anisole	NMT 5000	<LOQ	ug/g	125	PASS

Elemental Impurities (ICP-MS)**Method Code: T301****Tested: 01JUL2025 | 1422**

This report, prepared by Cora Science, LLC, shall not be reproduced except in its entirety without prior written approval. All test articles are analyzed as received and the results relate only to the specific sample of material or product analyzed. Test methods are performed in a laboratory accredited to ISO/IEC 17025:2017 in the field of testing by PJLA (Accreditation #116374) or a registered outsourcing facility. Some test methods reported may fall outside the scope of L22-250 supplement.

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.50	0.011	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.049	ug/g	0.002	PASS
Mercury	NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead	NMT 0.50	0.030	ug/g	0.002	PASS

Microbiological Examination

Method Code: T005

Tested: 30JUN2025 | 1627

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Total Yeast and Mold	NMT 100,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Total Coliforms	NMT 10,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Escherichia coli	Not Detected in 10 g	Not Detected	N/A	1 CFU/10g	PASS
Salmonella spp.	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured unit weight of 0.507 grams.

Revision History


rev 00 - Initial release.

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

Authorization

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

Signature:**Name:**

Tyler West

Position:

Laboratory Director

Department:

Management

Date:

03JUL2025

CERTIFICATE OF ANALYSIS



SAMPLE NAME: PART # 10070 - GOLDEN MONK WHITE POWDER (250GR)

SAMPLE CODE: DTS-241023-021

CLIENT: MIT45

BATCH RESULT: PASS

1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com
License #:



MATRIX NAME: Botanical Powder - Plant

SAMPLE TYPE: Quality Assurance

RECEIVED DATE: Fri, Oct 25, 2024

PUBLISHED DATE: Thu, Oct 31, 2024

BATCH/LOT CODE: 1781W

BATCH SIZE: N/A

SAMPLE SIZE: 1U

MITRAGYNINE 1.180 %

TOTAL MAJOR ALKALOIDS 2.009 %

TOTAL MINOR ALKALOIDS 0.00262 %

ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	SOL ✓ Residual Solvents USP <467>	SAL ✓ Salmonella 2.5g qPCR	ECOLI ✓ Total E. Coli & Coliforms Plate
PGUSP ✓ Pesticides USP <561>	PLUSP ✓ Pesticides USP <561>	TAMC ✓ Total Aerobic Bacteria Plate	SAUR ✓ Staphylococcus aureus Plate	HVMET ✓ Heavy Metals 4
TYMFD ✓ Total Yeast & Mold Plate	FTIRR ✓ Identification by FTIR Report			

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Thursday, Oct 31, 2024

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Thursday, Oct 31, 2024

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.



ALKU

KRATOM ALKALOIDS - HIGH LEVELLAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
ALKU-DTS-241023-021-03 - WED, OCT 30, 2024

ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.180 %	11.799 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.417 %	4.170 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.261 %	2.609 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogyneine	0.151 %	1.510 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.009 %	20.088 mg/g	N/A			N/A

ALKL

KRATOM ALKALOIDS - LOW LEVELLAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
ALKL-DTS-241023-021-01 - WED, OCT 30, 2024

ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00260 %	0.02603 mg/g	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.00015 mg/g	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00262 %	0.02618 mg/g	N/A	0.006 ug/g	0.03 ug/g	N/A



SOL

RESIDUAL SOLVENTS - USP <467>

LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS
SOL-DTS-241023-021-01 - WED, OCT 30, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	5 ug/g	0.4 ug/g	1.34 ug/g	PASS
2-Methylbutane	ND	N/A	1.54 ug/g	5.14 ug/g	N/A
2-Methylpentane	ND	N/A	0.046 ug/g	0.154 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	0.98 ug/g	3.27 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	2.19 ug/g	7.32 ug/g	N/A
3-Methylpentane	ND	N/A	0.73 ug/g	2.44 ug/g	N/A
Acetone	ND	5000 ug/g	1.57 ug/g	5.23 ug/g	PASS
Acetonitrile	ND	410 ug/g	1.85 ug/g	6.17 ug/g	PASS
Benzene	ND	2 ug/g	0.18 ug/g	0.59 ug/g	PASS
Butane	ND	N/A	1.68 ug/g	5.59 ug/g	N/A
Chloroform	ND	60 ug/g	0.78 ug/g	2.59 ug/g	PASS
Ethanol	ND	5000 ug/g	6.02 ug/g	20.1 ug/g	PASS
Ethyl Acetate	ND	5000 ug/g	1.95 ug/g	6.49 ug/g	PASS
Ethyl Ether	ND	5000 ug/g	1.37 ug/g	4.55 ug/g	PASS
Ethylene Oxide	ND	N/A	0.15 ug/g	0.49 ug/g	N/A
Heptane	ND	5000 ug/g	1.31 ug/g	4.37 ug/g	PASS
Hexane	ND	290 ug/g	1.42 ug/g	4.74 ug/g	PASS
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	ND	N/A	4.9 ug/g	16.3 ug/g	N/A
Methanol	49.483 ug/g	3000 ug/g	7.89 ug/g	26.4 ug/g	PASS
Methylene Chloride	ND	600 ug/g	1.36 ug/g	4.53 ug/g	PASS
Neopentane	ND	N/A	1.49 ug/g	4.97 ug/g	N/A
Pentane	ND	5000 ug/g	1.46 ug/g	4.87 ug/g	PASS
Propane	ND	N/A	1.95 ug/g	6.51 ug/g	N/A
Toluene	ND	890 ug/g	1.88 ug/g	6.26 ug/g	PASS
Total Xylenes	ND	2170 ug/g	2.02 ug/g	6.72 ug/g	PASS
Trichloroethylene	ND	80 ug/g	0.29 ug/g	0.96 ug/g	PASS
Butanes (Sum of Butane and Isobutane)	ND	N/A			N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	290 ug/g			PASS
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	5000 ug/g			PASS



SAL **SALMONELLA - 25G QPCR**
LAB-TM-063 - DETECTION AND ISOLATION OF SALMONELLA SPP. IN FOODS AND DIETARY SUPPLEMENTS
SAL-DTS-241023-021-01 - TUE, OCT 29, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	Detection	N/A	N/A	PASS

ECOLI **TOTAL E. COLI & COLIFORMS - PLATE**
LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS
ECOLI-DTS-241023-021-01 - TUE, OCT 29, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	ND	Detection	10 CFU/g	10 CFU/g	PASS
Total Coliforms	ND	1000 CFU/g	10 CFU/g	10 CFU/g	PASS



PGUSP

PESTICIDES - USP <561> - GC/TQ

LAB-TM-039 - USP 561 PESTICIDES ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY GC/TQ
PGUSP-DTS-241023-021-01 - WED, OCT 30, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aldrin + Dieldrin	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Bromophos Ethyl	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Bromophos Methyl	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Bromopropylate	ND	3 ug/g	6 ng/g	12 ng/g	PASS
Chlordane (Sum of -Cis, -Trans, Oxychlordane)	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Chlorthal-Dimethyl	ND	0.01 ug/g	0.02 ng/g	0.04 ng/g	PASS
DDT (Sum of O,P-DDE, P,P-DDE, O,P-DDT, P,P-DDT, O,P-TDE, and P,P-TDE)	ND	1 ug/g	2 ng/g	4 ng/g	PASS
Dicofol	ND	0.5 ug/g	1 ng/g	2 ng/g	PASS
Endosulfan (Sum of Isomers and Sulphate)	ND	3 ug/g	6 ng/g	12 ng/g	PASS
Endrin	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Fenchlorophos (Sum of Fenchlorophos and Fenchlorophos-Oxon)	ND	0.1 ug/g	0.2 ng/g	0.4 ng/g	PASS
Fenitrothion	ND	0.5 ug/g	1 ng/g	2 ng/g	PASS
Fenvalerate	ND	1.5 ug/g	3 ng/g	6 ng/g	PASS
Fluvalinate-Tau	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Heptachlor (Sum of Heptachlor, Cis-Heptachlorepoide, and Trans-Heptachlorepoide)	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Hexachlorobenzene	ND	0.1 ug/g	0.2 ng/g	0.4 ng/g	PASS
Hexachlorocyclohexane (Sum of Isomers Alpha-, Beta-, Delta-, and Epsilon-)	ND	0.3 ug/g	0.6 ng/g	1.2 ng/g	PASS
Lindane (Gamma-Hexachlorocyclohexane)	ND	0.6 ug/g	1.2 ng/g	2.4 ng/g	PASS
Methacrifos	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Methoxychlor	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Mirex	ND	0.01 ug/g	0.02 ng/g	0.04 ng/g	PASS
Parathion Ethyl + Paraoxon Ethyl	ND	0.5 ug/g	1 ng/g	2 ng/g	PASS
Pentachloroanisole	ND	0.01 ug/g	0.02 ng/g	0.04 ng/g	PASS
Procymidone	ND	0.1 ug/g	0.2 ng/g	0.4 ng/g	PASS
Quintozene (Sum of Quintozene, Pentachloroaniline, and Methyl-Pentachlorophenyl Sulfide)	ND	1 ug/g	2 ng/g	4 ng/g	PASS



PGUSP

PESTICIDES - USP <561> - GC/TQLAB-TM-039 - USP 561 PESTICIDES ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY GC/TQ
PGUSP-DTS-241023-021-01 - WED, OCT 30, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S-421	ND	0.02 ug/g	0.04 ng/g	0.08 ng/g	PASS
Tecnazene	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Tetradifon	ND	0.3 ug/g	0.6 ng/g	1.2 ng/g	PASS
Vinclozolin	ND	0.4 ug/g	0.8 ng/g	1.6 ng/g	PASS



PLUSP

PESTICIDES - USP <561> - LC/TQ

LAB-TM-038 - USP 561 PESTICIDE ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC/TQ

PLUSP-DTS-241023-021-02 - WED, OCT 30, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Acephate	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Alachlor	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Azinphos Ethyl	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Azinphos Methyl	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Chlorfenvinphos	ND	0.5 ug/g	12.5 ng/g	25 ng/g	PASS
Chlorpyrifos Ethyl	ND	0.2 ug/g	12.5 ng/g	25 ng/g	PASS
Cyfluthrin	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Cypermethrin	0.213 ug/g	1 ug/g	12.5 ng/g	25 ng/g	PASS
Deltamethrin	ND	0.5 ug/g	12.5 ng/g	25 ng/g	PASS
Diazinon	ND	0.5 ug/g	12.5 ng/g	25 ng/g	PASS
Dichlorvos	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Dimethoate + Omethoate	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Ethion	ND	2 ug/g	12.5 ng/g	25 ng/g	PASS
Etrimphos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fenpropathrin	ND	0.03 ug/g	12.5 ng/g	25 ng/g	PASS
Fensulfothion (Sum of Fensulfothion, Fensulfothion-Oxon, Fensulfothion-Oxon-Sulfone, and Fensulfothion-Sulfone)	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fenthion (Sum of Fenthion, Fenthion-Oxon, Fenthion-Oxon-Sulfone, Fenthion-Oxon-Sulfoxide, Fenthion-Sulfone, and Fenthion-Sulfoxide)	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Flucythrinate	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fonophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Lambda-Cyhalothrin	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Malathion + Malaoxon	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Mecarbam	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Methamidophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Methidathion	ND	0.2 ug/g	12.5 ng/g	25 ng/g	PASS
Monocrotophos	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Pendimethalin	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Permethrins (Sum of Cis- and Trans-Permethrin)	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Phosalone	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Phosmet	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS



PLUSP

PESTICIDES - USP <561> - LC/TQ

LAB-TM-038 - USP 561 PESTICIDE ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC/TQ
PLUSP-DTS-241023-021-02 - WED, OCT 30, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Piperonyl Butoxide	ND	3 ug/g	12.5 ng/g	25 ng/g	PASS
Pirimiphos Ethyl	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Pirimiphos Methyl (Sum of Pirimiphos-Methyl and n- Desethyl-Pirimiphos-Methyl)	ND	4 ug/g	12.5 ng/g	25 ng/g	PASS
Profenophos	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Prothiophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)	ND	3 ug/g	12.5 ng/g	25 ng/g	PASS
Quinalphos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS



TAMC

TOTAL AEROBIC BACTERIA - PLATE

LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS
TAMC-DTS-241023-021-01 - TUE, OCT 29, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	10000 CFU/g	100 CFU/g	100 CFU/g	PASS

SAUR

STAPHYLOCOCCUS AUREUS - PLATE

LAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS
SAUR-DTS-241023-021-01 - TUE, OCT 29, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	PASS

HVMET

HEAVY METALS - 4

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
HVMET-DTS-241023-021-01 - TUE, OCT 29, 2024



ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.161 ug/g	N/A	1.00 ug/g	0.198 ug/kg	0.662 ug/kg	PASS
Cadmium	0.023 ug/g	N/A	1.00 ug/g	0.082 ug/kg	0.272 ug/kg	PASS
Lead	0.960 ug/g	N/A	3.00 ug/g	0.155 ug/kg	0.515 ug/kg	PASS
Mercury	0.012 ug/g	N/A	1.00 ug/g	0.017 ug/kg	0.057 ug/kg	PASS

TYMFD

TOTAL YEAST & MOLD - PLATE

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
TYMFD-DTS-241023-021-01 - WED, OCT 30, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A

FTIRR

IDENTIFICATION BY FTIR - REPORT

NULL IDENTIFICATION BY FTIR
FTIRR-DTS-241023-021-01 - TUE, OCT 29, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	98.849 %	95-100 N/A			PASS





Certificate of Analysis

Customer Information

Client: Super Organics
Attention: (754) 800-5219
Address: 7901 4th St N, STE 300
 St. Petersburg, FL 33702

Testing Facility

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

Sample Image(s)



Sample Information

Name: Kratom Powder
Lot Number: 0003594
Description: Finely ground plant material
Condition: Good
Job ID: ISO06334
Sample ID: I17664
Received: 17FEB2026
Completed: 24FEB2026
Issued: 25FEB2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 24FEB2026 | 1841

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.44	w/w%	0.0054	N/A
7-Hydroxymitragynine	Report Results	0.00220	w/w%	0.00072	N/A
Paynantheine	Report Results	0.279	w/w%	0.0054	N/A
Speciogynine	Report Results	0.204	w/w%	0.0054	N/A
Speciociliatine	Report Results	0.409	w/w%	0.0054	N/A
Total Mitragyna Alkaloids	Report Results	2.34	w/w%	0.0054	N/A

Microbiological Examination

Method Code: T005

Tested: 18FEB2026 | 1712

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Coliforms	NMT 10,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS

Additional Report Notes

N/A

Revision History

rev 00 - Initial release.

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

Authorization

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

Signature:	<i>Tyler West</i>	Position:	Laboratory Director
Name:	Tyler West	Department:	Management
		Date:	25FEB2026



Certificate of Analysis

Customer Information

Client: Super Organics
Attention: (754) 247-9542
Address: 7901 4th St N, STE 300
 St. Petersburg, FL 33702

Testing Facility

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

Sample Image(s)



Sample Information

Name: Kratom Powder
Lot Number: 0003594
Description: Finely ground plant material
Condition: Good
Job ID: ISO06477
Sample ID: I18095
Received: 06MAR2026
Completed: 12MAR2026
Issued: 13MAR2026

Test Results

Microbial Examination

Method Code: T005

Tested: 12MAR2026 | 1503

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000,000 CFU/g	440	CFU/g	20 CFU/g	PASS
Total Yeast and Mold	NMT 100,000 CFU/g	20	CFU/g	20 CFU/g	PASS
Total Coliforms	NMT 10,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Escherichia coli	Not Detected in 10 g	Not Detected	N/A	1 CFU/10g	PASS
Salmonella spp.	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 10MAR2026 | 1424

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.00	0.304	ug/g	0.006	PASS
Cadmium	NMT 0.40	0.021	ug/g	0.002	PASS
Mercury	NMT 0.20	0.021	ug/g	0.002	PASS
Lead	NMT 1.25	0.406	ug/g	0.002	PASS

Additional Report Notes

N/A

Revision History

Report ID: 3c095355-64f3-48e4-8507-4db57504880d

rev 00 - Initial release.

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

Authorization

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

Signature:

Tyler West

Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

13MAR2026

ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124
C8-0000052-LIC

CUSTOMER:

TestMyKratom.org
18117 Biscayne Blvd Suite #4220
Miami, FL 33160



SAMPLE INFORMATION

Sample No.: 1283841
Product Name: MIT45 Black Extra Strength liquid gel
Lot #: 2025-03

Date Collected: 03/04/2025
Date Received: 03/06/2025
Date Reported: 03/12/2025

TEST SUMMARY

Alkaloids: ✔ Tested
Overall: ✘ Fail

Residual Solvent Screen: ✘ Fail

Alkaloids

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

03/12/2025

Analyte	mg/g	%	mg/ml	mg/ package
7-OH Mitragynine	ND	ND	ND	ND
Mitragynine Pseudoindoxyl	ND	ND	ND	ND
Mitragynine	6.31	0.631	8.58	90.81
Paynantheine	0.24	0.024	0.32	3.39
Speciogynine	0.14	0.015	0.20	2.09
Speciociliatine	ND	ND	ND	ND
Total Alkaloids	6.69	0.669	9.10	96.29
Package Weight (g)	14.4			
g/ml Conversion Factor	1.3608			

Residual Solvent Screen ❌ Fail

03/12/2025

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	15500.00	5000	Fail
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	ND	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

Comments Ethanol failure confirmed with dilution.

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

Reported by



Vu Lam
Lab Co Director

March 12, 2025



Scan to verify

Certificate of Analysis



Customer Information

Client: TestMyKratom.org
Attention: test.my.kratom@gmail.com
Address: 18117 Biscayne Blvd, Suite #4220
 Miami, FL 33160

Testing Facility

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

Sample Image(s)



Sample Information

Name: OPMS Gold liquid shot
Lot Number: 2025-03
Description: Liquid botanical extract
Condition: Good
Job ID: ISO03497
Sample ID: I09005
Received: 07MAR2025
Completed: 15MAR2025
Issued: 19MAR2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 13MAR2025 | 2138

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	116	mg/unit	0.067	N/A
7-Hydroxymitragynine	Report Results	0.244	mg/unit	0.067	N/A
Mitragynine Pseudoindoxyl	Report Results	0.234	mg/unit	0.067	N/A
Mitraciliatine	Report Results	1.82	mg/unit	0.067	N/A
Speciociliatine	Report Results	20.5	mg/unit	0.067	N/A
Speciogynine	Report Results	14.8	mg/unit	0.067	N/A
Paynantheine	Report Results	20.4	mg/unit	0.067	N/A
Corynoxine	Report Results	1.12	mg/unit	0.067	N/A
Isorhynchophylline	Report Results	0.381	mg/unit	0.067	N/A
Mitraphylline	Report Results	<LOQ	mg/unit	0.067	N/A
Total Mitragyna Alkaloids	Report Results	176	mg/unit	0.067	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 13MAR2025 | 2138

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.06	w/w%	0.0006	N/A
7-Hydroxymitragynine	Report Results	0.002	w/w%	0.0006	N/A
Mitragynine Pseudoindoxyl	Report Results	0.002	w/w%	0.0006	N/A
Mitraciliatine	Report Results	0.017	w/w%	0.0006	N/A
Speciociliatine	Report Results	0.187	w/w%	0.0006	N/A
Speciogynine	Report Results	0.135	w/w%	0.0006	N/A
Paynantheine	Report Results	0.186	w/w%	0.0006	N/A
Corynoxine	Report Results	0.010	w/w%	0.0006	N/A
Isorhynchophylline	Report Results	0.003	w/w%	0.0006	N/A
Mitraphylline	Report Results	<LOQ	w/w%	0.0006	N/A
Total Alkaloids	Report Results	1.61	w/w%	0.0006	N/A

This report, prepared by Cora Science, LLC, shall not be reproduced except in its entirety without prior written approval. All test articles are analyzed as received and the results relate only to the specific sample of material or product analyzed. Test methods are performed in a laboratory accredited to ISO/IEC 17025:2017 in the field of testing by PJLA (Accreditation #116374) or a registered outsourcing facility. Some test methods reported may fall outside the scope of L22-250 supplement.

Residual Solvents: Class I (GC-MS)**Method Code: T201****Tested: 13MAR2025 | 1110**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
1,1-Dichloroethene	NMT 8	<LOQ	ug/g	0.40	PASS
1,1,1-Trichloroethane	NMT 1500	<LOQ	ug/g	75	PASS
Tetrachloromethane	NMT 4	<LOQ	ug/g	0.20	PASS
Benzene	NMT 2	<LOQ	ug/g	0.10	PASS
1,2-Dichloroethane	NMT 5	<LOQ	ug/g	0.25	PASS

Residual Solvents: Class II (GC-MS)**Method Code: T201****Tested: 13MAR2025 | 1110**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Methanol	NMT 3000	<LOQ	ug/g	150	PASS
Acetonitrile	NMT 410	<LOQ	ug/g	21	PASS
Dichloromethane	NMT 600	<LOQ	ug/g	30	PASS
1,2-Dichloroethene, (E)	NMT 1870	<LOQ	ug/g	94	PASS
1,2-Dichloroethene, (Z)	NMT 1870	<LOQ	ug/g	94	PASS
Tetrahydrofuran	NMT 720	<LOQ	ug/g	36	PASS
Cyclohexane	NMT 3880	<LOQ	ug/g	194	PASS
Methylcyclohexane	NMT 1180	<LOQ	ug/g	59	PASS
1,4-Dioxane	NMT 380	<LOQ	ug/g	19	PASS
Toluene	NMT 890	<LOQ	ug/g	45	PASS
Chlorobenzene	NMT 360	<LOQ	ug/g	18.0	PASS
Ethylbenzene	NMT 2170	<LOQ	ug/g	109	PASS
o/p-Xylene	NMT 2170	<LOQ	ug/g	109	PASS
m-Xylene	NMT 2170	<LOQ	ug/g	109	PASS
Isopropylbenzene	NMT 70	<LOQ	ug/g	3.5	PASS
Hexane	NMT 290	<LOQ	ug/g	14.5	PASS
Nitromethane	NMT 50	<LOQ	ug/g	2.5	PASS
Chloroform	NMT 60	<LOQ	ug/g	3.0	PASS
1,2-Dimethoxyethane	NMT 100	<LOQ	ug/g	5.0	PASS
Trichloroethene	NMT 80	<LOQ	ug/g	4.0	PASS
Pyridine	NMT 200	<LOQ	ug/g	10.0	PASS
2-Hexanone	NMT 50	<LOQ	ug/g	2.5	PASS
Tetralin	NMT 100	<LOQ	ug/g	5.0	PASS

Residual Solvents: Class III (GC-MS)**Method Code: T201****Tested: 13MAR2025 | 1110**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Pentane	NMT 5000	<LOQ	ug/g	250	PASS
Ethanol	NMT 5000	336000	ug/g	250	FAIL
Diethyl Ether	NMT 5000	<LOQ	ug/g	250	PASS
Acetone	NMT 5000	<LOQ	ug/g	250	PASS
Ethyl Formate	NMT 5000	<LOQ	ug/g	250	PASS
Isopropanol	NMT 5000	<LOQ	ug/g	250	PASS
Methyl Acetate	NMT 5000	<LOQ	ug/g	250	PASS
Methyl tert-Butyl Ether	NMT 5000	<LOQ	ug/g	250	PASS
1-Propanol	NMT 5000	<LOQ	ug/g	250	PASS
2-Butanone	NMT 5000	<LOQ	ug/g	250	PASS
Ethyl Acetate	NMT 5000	<LOQ	ug/g	250	PASS
2-Butanol	NMT 5000	<LOQ	ug/g	250	PASS
2-Methyl-1-Propanol	NMT 5000	<LOQ	ug/g	250	PASS
Isopropyl Acetate	NMT 5000	<LOQ	ug/g	250	PASS
Heptane	NMT 5000	<LOQ	ug/g	250	PASS
1-Butanol	NMT 5000	<LOQ	ug/g	250	PASS
Propyl Acetate	NMT 5000	<LOQ	ug/g	250	PASS
4-Methyl-2-Pentanone	NMT 5000	<LOQ	ug/g	250	PASS
Isoamyl Alcohol	NMT 5000	<LOQ	ug/g	250	PASS
Isobutyl Acetate	NMT 5000	<LOQ	ug/g	250	PASS
1-Pentanol	NMT 5000	<LOQ	ug/g	250	PASS
Butyl Acetate	NMT 5000	<LOQ	ug/g	250	PASS
Dimethylsulfoxide	NMT 5000	<LOQ	ug/g	250	PASS
Anisole	NMT 5000	<LOQ	ug/g	250	PASS

Adulterants (GC-MS/MS:1/2)

Method Code: T451

Tested: 15MAR2025 | 0753

PARAMETER	RESULT	UNIT	LOQ	NOTES
Meperidine	<LOQ	ug/g	0.05	PASS
cis-Tramadol	<LOQ	ug/g	0.05	PASS
Methadone	<LOQ	ug/g	0.05	PASS
Heroin	<LOQ	ug/g	0.05	PASS
Codeine	<LOQ	ug/g	0.05	PASS
Morphine	<LOQ	ug/g	0.05	PASS
Hydrocodone	<LOQ	ug/g	0.05	PASS
Hydromorphone	<LOQ	ug/g	0.05	PASS
Oxycodone	<LOQ	ug/g	0.05	PASS
Naltrexone	<LOQ	ug/g	0.05	PASS
Naloxone	<LOQ	ug/g	0.05	PASS
Oxymorphone	<LOQ	ug/g	0.05	PASS
Fentanyl	<LOQ	ug/g	0.05	PASS
Buprenorphine	<LOQ	ug/g	0.05	PASS
Tianeptine	<LOQ	ug/g	0.05	PASS

Adulterants (GC-MS/MS:2/2)

Method Code: T451

Tested: 15MAR2025 | 0753

PARAMETER	RESULT	UNIT	LOQ	NOTES
Amphetamine	<LOQ	ug/g	0.05	PASS
Phentermine	<LOQ	ug/g	0.05	PASS
Methamphetamine	<LOQ	ug/g	0.05	PASS
MDA	<LOQ	ug/g	0.05	PASS
MDMA	<LOQ	ug/g	0.05	PASS
MDEA	<LOQ	ug/g	0.05	PASS
Cocaine	<LOQ	ug/g	0.05	PASS
Amobarbital	<LOQ	ug/g	0.05	PASS
Butalbital	<LOQ	ug/g	0.05	PASS
Pentobarbital	<LOQ	ug/g	0.05	PASS
Phenobarbital	<LOQ	ug/g	0.05	PASS
Secobarbital	<LOQ	ug/g	0.05	PASS
Alprazolam	<LOQ	ug/g	0.05	PASS
Clonazepam	<LOQ	ug/g	0.05	PASS
Diazepam	<LOQ	ug/g	0.05	PASS
Flunitrazepam	<LOQ	ug/g	0.05	PASS
Lorazepam	<LOQ	ug/g	0.05	PASS
Oxazepam	<LOQ	ug/g	0.05	PASS
Nitrazepam	<LOQ	ug/g	0.05	PASS
Temazepam	<LOQ	ug/g	0.05	PASS

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.121 g/mL.

Revision History

rev 00 - Initial release.

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

Authorization

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

Signature:

Tyler West

Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

19MAR2025

ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124
C8-0000052-LIC

CUSTOMER:

TestMyKratom.org
18117 Biscayne Blvd Suite #4220
Miami, FL 33160



SAMPLE INFORMATION

Sample No.: 1283842
Product Name: Feel Free liquid shot
Lot #: 2025-03

Date Collected: 03/04/2025
Date Received: 03/06/2025
Date Reported: 03/12/2025

TEST SUMMARY

Alkaloids: ✔ Tested
Overall: ✘ Fail

Residual Solvent Screen: ✘ Fail

Alkaloids

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

03/12/2025

Analyte	mg/g	%	mg/ml	mg/ package
7-OH Mitragynine	ND	ND	ND	ND
Mitragynine Pseudoindoxyl	ND	ND	ND	ND
Mitragynine	0.65	0.065	0.68	40.12
Paynantheine	0.14	0.014	0.15	8.86
Speciogynine	0.11	0.011	0.11	6.57
Speciociliatine	0.17	0.017	0.17	10.27
Total Alkaloids	1.06	0.106	1.11	65.82
Package Weight (g)	62.207			
g/ml Conversion Factor	1.0508			

Residual Solvent Screen ❌ Fail

03/12/2025

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	5300.00	5000	Fail
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

Comments Ethanol failure confirmed with retest.

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

Reported by




Vu Lam
Lab Co Director

March 12, 2025



Scan to verify

ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124
C8-0000052-LIC

CUSTOMER:

Sunset Novelty USA
Pompano Beach, FL



SAMPLE INFORMATION

Sample No.: 1205828
Product Name: JCRed-002

Date Collected: 04/01/2024
Date Received: 04/02/2024
Date Reported: 04/09/2024

TEST SUMMARY

Alkaloids: ✔ Pass Microbiological Screen: ✔ Tested
Heavy Metal Screen: ✔ Pass Overall: ✔ Pass

Alkaloids

04/09/2024

Method: MF-CHEM-21
Instrument: HPLC-DAD

Analyte	LOD/LOQ	Findings	Units
7-hydroxymitragynine	0.04/0.1	ND	mg/g
Mitragynine	0.04/0.1	7.36	mg/g
Paynantheine	0.04/0.1	1.83	mg/g
Speciogynine	0.04/0.1	1.15	mg/g
Speciociliatine	0.04/0.1	3.03	mg/g

Microbiological Screen

04/08/2024

Method: FDA BAM

Analyte	Findings	Units
Coliforms	5,400	cfu/g
E. coli	<10	cfu/g
Salmonella	Negative	/25g
Yeast	<10	cfu/g
Mold	100,000	cfu/g

Heavy Metal Screen ✔ Pass

04/08/2024

Method: MF-CHEM-16

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

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Intake (µg/day)	Limit (µg/day)	Status
Arsenic	0.02/0.05	0.26	0.26	10	Pass
Cadmium	0.02/0.05	<LOQ	ND	4.1	Pass
Lead	0.02/0.05	0.86	0.86	10	Pass
Mercury	0.02/0.05	<LOQ	ND	2	Pass

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

All LQC samples were performed and met the acceptance criteria in CCR Title 4 Division 19, Chapter 6, Article 7, §15730, pursuant to §15726.(e)(13).

Reported by

Vu Lam
Lab Co Director
April 09, 2024

Scan to verify

ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124
C8-0000052-LIC

CUSTOMER:

Sunset Novelty USA
Pompano Beach, FL



SAMPLE INFORMATION

Sample No.: 1205828
Product Name: JCRed-002

Date Collected: 04/01/2024
Date Received: 04/02/2024
Date Reported: 04/09/2024

TEST SUMMARY

Alkaloids: ✔ Pass Microbiological Screen: ✔ Tested
Heavy Metal Screen: ✔ Pass Overall: ✔ Pass

Alkaloids

04/09/2024

Method: MF-CHEM-21
Instrument: HPLC-DAD

Analyte	LOD/LOQ	Findings	Units
7-hydroxymitragynine	0.04/0.1	ND	mg/g
Mitragynine	0.04/0.1	7.36	mg/g
Paynantheine	0.04/0.1	1.83	mg/g
Speciogynine	0.04/0.1	1.15	mg/g
Speciociliatine	0.04/0.1	3.03	mg/g

Microbiological Screen

04/08/2024

Method: FDA BAM

Analyte	Findings	Units
Coliforms	5,400	cfu/g
E. coli	<10	cfu/g
Salmonella	Negative	/25g
Yeast	<10	cfu/g
Mold	100,000	cfu/g

Heavy Metal Screen ✔ Pass

04/08/2024

Method: MF-CHEM-16

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

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Intake (µg/day)	Limit (µg/day)	Status
Arsenic	0.02/0.05	0.26	0.26	10	Pass
Cadmium	0.02/0.05	<LOQ	ND	4.1	Pass
Lead	0.02/0.05	0.86	0.86	10	Pass
Mercury	0.02/0.05	<LOQ	ND	2	Pass

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

All LQC samples were performed and met the acceptance criteria in CCR Title 4 Division 19, Chapter 6, Article 7, §15730, pursuant to §15726.(e)(13).

Scan to verify

Reported by

Vu Lam
Lab Co Director
April 09, 2024

ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124
C8-0000052-LIC

CUSTOMER:

Sunset Novelty USA
Pompano Beach, FL



SAMPLE INFORMATION

Sample No.: 1205828
Product Name: JCRed-002

Date Collected: 04/01/2024
Date Received: 04/02/2024
Date Reported: 04/09/2024

TEST SUMMARY

Alkaloids: ✔ Pass Microbiological Screen: ✔ Tested
Heavy Metal Screen: ✔ Pass Overall: ✔ Pass

Alkaloids

04/09/2024

Method: MF-CHEM-21
Instrument: HPLC-DAD

Analyte	LOD/LOQ	Findings	Units
7-hydroxymitragynine	0.04/0.1	ND	mg/g
Mitragynine	0.04/0.1	7.36	mg/g
Paynantheine	0.04/0.1	1.83	mg/g
Speciogynine	0.04/0.1	1.15	mg/g
Speciociliatine	0.04/0.1	3.03	mg/g

Microbiological Screen

04/08/2024

Method: FDA BAM

Analyte	Findings	Units
Coliforms	5,400	cfu/g
E. coli	<10	cfu/g
Salmonella	Negative	/25g
Yeast	<10	cfu/g
Mold	100,000	cfu/g

Heavy Metal Screen ✔ Pass

04/08/2024

Method: MF-CHEM-16

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

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Intake (µg/day)	Limit (µg/day)	Status
Arsenic	0.02/0.05	0.26	0.26	10	Pass
Cadmium	0.02/0.05	<LOQ	ND	4.1	Pass
Lead	0.02/0.05	0.86	0.86	10	Pass
Mercury	0.02/0.05	<LOQ	ND	2	Pass

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

All LQC samples were performed and met the acceptance criteria in CCR Title 4 Division 19, Chapter 6, Article 7, §15730, pursuant to §15726.(e)(13).

Scan to verify

Reported by



Vu Lam
Lab Co Director
April 09, 2024



CERTIFICATE OF ANALYSIS

Analysis ID No. 240456

TDA License No. 2020002

ISO/IEC No. 1055838

STATUS: **RELEASED** REVISION: 00

Purchase Order: 20240114

DATE: 03/27/2024 Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name: Sunset Novelties USA	Submitted Sample Name: Natures Gold Green 1
Address: 620 SW 12 th Ave. Pompano Beach, FL 33069	Submitted Sample Lot: NG-001
Phone Number: 754-214--1546	Submitted Sample Description: Green Powder in Black Resealable Bag; Stored at RT
Contact Name / Email: Eli – Sunsetnoveltiesinc@gmail.com	Submitted Sample Product Type / Matrix: Kratom Leaf Powder / Plant Matter

ALKALOIDS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	1.327 w/w% 13.270 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.184 w/w% 1.841 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.126 w/w% 1.256 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.332 w/w% 3.319 mg/g	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only % of Total Alkaloids: NMT 2%	< 0.010 w/w%	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.010 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.010 w/w%	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.010 w/w%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	1.969 w/w% 19.686 mg/g	Results Reported

MICROBIOLOGICAL ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	20 CFU/gm	NMT 10,000,000 CFU/gm	< LOQ	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	< LOQ	PASS

Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	< LOQ	PASS
Escherichia coli (E.coli)	Isolation Agar	1 CFU/10 gm	Absent in 10 gm	Absent	PASS
Salmonella	Isolation Agar	1 CFU/25 gm	Absent in 25 gm	Absent	PASS

Santé Laboratories, LLC - 8201 East Riverside Drive, STE 650, Austin, Texas 78744 USA
 Email: Testing@santelabs.com - Telephone: 512-309-5830 - Website: www.santelabs.com

This report may not be reproduced, except in full, without the permission of Santé Laboratories, LLC.

DocuSign Envelope ID: C272F058-CDEF-451D-A6D1-40EABA6B11E8



CERTIFICATE OF ANALYSIS

Analysis ID No. 240456

TDA License No. 2020002

ISO/IEC No. 1055838

STATUS: **RELEASED** REVISION: 00

Purchase Order: 20240114

DATE: 03/27/2024 Page No. Page 2 of 2

HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	467.2 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	20.7 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	263.9 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	21.3 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 20,000 ppb	2,403.2 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 240456 Receipt Date: 03/21/2024 / 10:36 AM CST / C. Vaccaro Receipt Condition: Good Analysis Start Date: 03/21/2024

ADDITIONAL REPORT NOTES
The reported results presented in this document is only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. Heavy metal specifications according to limits defined by Texas DSHS for consumable hemp. Nickel specification according to oral drug products per USP <232>. Microbiological limits according to specifications defined by AHPA for botanical extracts. ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	03/27/2024	Initial Release

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by:
Yvonne Rivera

27 March 2024 | 3:05:02 PM PDT

E49DDA845186484...

Yvonne Rivera

Date

Data Management Specialist
Santé Laboratories

Santé Laboratories, LLC - 8201 East Riverside Drive, STE 650, Austin, Texas 78744 USA
Email: Testing@santelabs.com - Telephone: 512-309-5830 - Website: www.santelabs.com

This report may not be reproduced, except in full, without the permission of Santé Laboratories, LLC.

CERTIFICATE OF ANALYSIS



SAMPLE NAME: PART # 10110 - GOLDEN MONK RED POWDER (500GR)

SAMPLE CODE: DTS-241107-017

CLIENT: MIT45

BATCH RESULT: PASS

1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com
License #:



MATRIX NAME: Botanical Powder - Plant

SAMPLE TYPE: Quality Assurance

RECEIVED DATE: Fri, Nov 8, 2024

PUBLISHED DATE: Wed, Nov 13, 2024

BATCH/LOT CODE: 1907R

BATCH SIZE: N/A

SAMPLE SIZE: 1U

MITRAGYNINE 1.232 %

TOTAL MAJOR ALKALOIDS 2.027 %

TOTAL MINOR ALKALOIDS 0.00320 %

ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	SOL ✓ Residual Solvents USP <467>	SAL ✓ Salmonella 2.5g qPCR	ECOLI ✓ Total E. Coli & Coliforms Plate
PGUSP ✓ Pesticides USP <561>	PLUSP ✓ Pesticides USP <561>	TAMC ✓ Total Aerobic Bacteria Plate	SAUR ✓ Staphylococcus aureus Plate	HVMET ✓ Heavy Metals 4
TYMFD ✓ Total Yeast & Mold Plate	FTIRR ✓ Identification by FTIR Report			

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Wednesday, Nov 13, 2024

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Wednesday, Nov 13, 2024

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.



ALKU

KRATOM ALKALOIDS - HIGH LEVELLAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
ALKU-DTS-241107-017-01 - WED, NOV 13, 2024

ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.232 %	12.322 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.386 %	3.858 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.256 %	2.557 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogyneine	0.153 %	1.530 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.027 %	20.267 mg/g	N/A	N/A	N/A	N/A

ALKL

KRATOM ALKALOIDS - LOW LEVELLAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
ALKL-DTS-241107-017-01 - WED, NOV 13, 2024

ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00318 %	0.03179 mg/g	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00002 %	0.00022 mg/g	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00320 %	0.03202 mg/g	N/A	0.006 ug/g	0.03 ug/g	N/A



SOL

RESIDUAL SOLVENTS - USP <467>

LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS
SOL-DTS-241107-017-01 - TUE, NOV 12, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	5 ug/g	0.4 ug/g	1.34 ug/g	PASS
2-Methylbutane	ND	N/A	1.54 ug/g	5.14 ug/g	N/A
2-Methylpentane	ND	N/A	0.046 ug/g	0.154 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	0.98 ug/g	3.27 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	2.19 ug/g	7.32 ug/g	N/A
3-Methylpentane	ND	N/A	0.73 ug/g	2.44 ug/g	N/A
Acetone	ND	5000 ug/g	1.57 ug/g	5.23 ug/g	PASS
Acetonitrile	ND	410 ug/g	1.85 ug/g	6.17 ug/g	PASS
Benzene	ND	2 ug/g	0.18 ug/g	0.59 ug/g	PASS
Butane	ND	N/A	1.68 ug/g	5.59 ug/g	N/A
Chloroform	ND	60 ug/g	0.78 ug/g	2.59 ug/g	PASS
Ethanol	ND	5000 ug/g	6.02 ug/g	20.1 ug/g	PASS
Ethyl Acetate	ND	5000 ug/g	1.95 ug/g	6.49 ug/g	PASS
Ethyl Ether	ND	5000 ug/g	1.37 ug/g	4.55 ug/g	PASS
Ethylene Oxide	ND	N/A	0.15 ug/g	0.49 ug/g	N/A
Heptane	ND	5000 ug/g	1.31 ug/g	4.37 ug/g	PASS
Hexane	ND	290 ug/g	1.42 ug/g	4.74 ug/g	PASS
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	ND	N/A	4.9 ug/g	16.3 ug/g	N/A
Methanol	36.690 ug/g	3000 ug/g	7.89 ug/g	26.4 ug/g	PASS
Methylene Chloride	ND	600 ug/g	1.36 ug/g	4.53 ug/g	PASS
Neopentane	ND	N/A	1.49 ug/g	4.97 ug/g	N/A
Pentane	ND	5000 ug/g	1.46 ug/g	4.87 ug/g	PASS
Propane	ND	N/A	1.95 ug/g	6.51 ug/g	N/A
Toluene	ND	890 ug/g	1.88 ug/g	6.26 ug/g	PASS
Total Xylenes	ND	2170 ug/g	2.02 ug/g	6.72 ug/g	PASS
Trichloroethylene	ND	80 ug/g	0.29 ug/g	0.96 ug/g	PASS
Butanes (Sum of Butane and Isobutane)	ND	N/A			N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	290 ug/g			PASS
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	5000 ug/g			PASS



SAL **SALMONELLA - 25G QPCR**
LAB-TM-063 - DETECTION AND ISOLATION OF SALMONELLA SPP. IN FOODS AND DIETARY SUPPLEMENTS
SAL-DTS-241107-017-01 - WED, NOV 13, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	Detection	N/A	N/A	PASS

ECOLI **TOTAL E. COLI & COLIFORMS - PLATE**
LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS
ECOLI-DTS-241107-017-01 - TUE, NOV 12, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	ND	Detection	10 CFU/g	10 CFU/g	PASS
Total Coliforms	ND	1000 CFU/g	10 CFU/g	10 CFU/g	PASS



PGUSP

PESTICIDES - USP <561> - GC/TQ

LAB-TM-039 - USP 561 PESTICIDES ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY GC/TQ
PGUSP-DTS-241107-017-01 - TUE, NOV 12, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aldrin + Dieldrin	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Bromophos Ethyl	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Bromophos Methyl	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Bromopropylate	ND	3 ug/g	6 ng/g	12 ng/g	PASS
Chlordane (Sum of -Cis, -Trans, Oxychlordane)	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Chlorthal-Dimethyl	ND	0.01 ug/g	0.02 ng/g	0.04 ng/g	PASS
DDT (Sum of O,P-DDE, P,P-DDE, O,P-DDT, P,P-DDT, O,P-TDE, and P,P-TDE)	ND	1 ug/g	2 ng/g	4 ng/g	PASS
Dicofol	ND	0.5 ug/g	1 ng/g	2 ng/g	PASS
Endosulfan (Sum of Isomers and Sulphate)	ND	3 ug/g	6 ng/g	12 ng/g	PASS
Endrin	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Fenchlorophos (Sum of Fenchlorophos and Fenchlorophos-Oxon)	ND	0.1 ug/g	0.2 ng/g	0.4 ng/g	PASS
Fenitrothion	ND	0.5 ug/g	1 ng/g	2 ng/g	PASS
Fenvalerate	ND	1.5 ug/g	3 ng/g	6 ng/g	PASS
Fluvalinate-Tau	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Heptachlor (Sum of Heptachlor, Cis-Heptachlorepoxyde, and Trans-Heptachlorepoxyde)	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Hexachlorobenzene	ND	0.1 ug/g	0.2 ng/g	0.4 ng/g	PASS
Hexachlorocyclohexane (Sum of Isomers Alpha-, Beta-, Delta-, and Epsilon-)	ND	0.3 ug/g	0.6 ng/g	1.2 ng/g	PASS
Lindane (Gamma-Hexachlorocyclohexane)	ND	0.6 ug/g	1.2 ng/g	2.4 ng/g	PASS
Methacrifos	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Methoxychlor	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Mirex	ND	0.01 ug/g	0.02 ng/g	0.04 ng/g	PASS
Parathion Ethyl + Paraoxon Ethyl	ND	0.5 ug/g	1 ng/g	2 ng/g	PASS
Pentachloroanisole	ND	0.01 ug/g	0.02 ng/g	0.04 ng/g	PASS
Procymidone	ND	0.1 ug/g	0.2 ng/g	0.4 ng/g	PASS
Quintozene (Sum of Quintozene, Pentachloroaniline, and Methyl-Pentachlorophenyl Sulfide)	ND	1 ug/g	2 ng/g	4 ng/g	PASS



PGUSP

PESTICIDES - USP <561> - GC/TQLAB-TM-039 - USP 561 PESTICIDES ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY GC/TQ
PGUSP-DTS-241107-017-01 - TUE, NOV 12, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S-421	ND	0.02 ug/g	0.04 ng/g	0.08 ng/g	PASS
Tecnazene	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Tetradifon	ND	0.3 ug/g	0.6 ng/g	1.2 ng/g	PASS
Vinclozolin	ND	0.4 ug/g	0.8 ng/g	1.6 ng/g	PASS



PLUSP

PESTICIDES - USP <561> - LC/TQ

LAB-TM-038 - USP 561 PESTICIDE ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC/TQ
PLUSP-DTS-241107-017-01 - TUE, NOV 12, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Acephate	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Alachlor	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Azinphos Ethyl	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Azinphos Methyl	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Chlorfenvinphos	ND	0.5 ug/g	12.5 ng/g	25 ng/g	PASS
Chlorpyrifos Ethyl	ND	0.2 ug/g	12.5 ng/g	25 ng/g	PASS
Cyfluthrin	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Cypermethrin	0.628 ug/g	1 ug/g	12.5 ng/g	25 ng/g	PASS
Deltamethrin	ND	0.5 ug/g	12.5 ng/g	25 ng/g	PASS
Diazinon	ND	0.5 ug/g	12.5 ng/g	25 ng/g	PASS
Dichlorvos	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Dimethoate + Omethoate	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Ethion	ND	2 ug/g	12.5 ng/g	25 ng/g	PASS
Etrimphos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fenpropathrin	ND	0.03 ug/g	12.5 ng/g	25 ng/g	PASS
Fensulfothion (Sum of Fensulfothion, Fensulfothion-Oxon, Fensulfothion-Oxon-Sulfone, and Fensulfothion-Sulfone)	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fenthion (Sum of Fenthion, Fenthion-Oxon, Fenthion-Oxon-Sulfone, Fenthion-Oxon-Sulfoxide, Fenthion-Sulfone, and Fenthion-Sulfoxide)	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Flucythrinate	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fonophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Lambda-Cyhalothrin	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Malathion + Malaaxon	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Mecarbam	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Methamidophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Methidathion	ND	0.2 ug/g	12.5 ng/g	25 ng/g	PASS
Monocrotophos	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Pendimethalin	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Permethrins (Sum of Cis- and Trans-Permethrin)	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Phosalone	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Phosmet	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS



PLUSP

PESTICIDES - USP <561> - LC/TQ

LAB-TM-038 - USP 561 PESTICIDE ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC/TQ
PLUSP-DTS-241107-017-01 - TUE, NOV 12, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Piperonyl Butoxide	ND	3 ug/g	12.5 ng/g	25 ng/g	PASS
Pirimiphos Ethyl	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Pirimiphos Methyl (Sum of Pirimiphos-Methyl and n- Desethyl-Pirimiphos-Methyl)	ND	4 ug/g	12.5 ng/g	25 ng/g	PASS
Profenophos	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Prothiophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)	ND	3 ug/g	12.5 ng/g	25 ng/g	PASS
Quinalphos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS



TAMC

TOTAL AEROBIC BACTERIA - PLATELAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS
TAMC-DTS-241107-017-01 - TUE, NOV 12, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	10000 CFU/g	100 CFU/g	100 CFU/g	PASS

SAUR

STAPHYLOCOCCUS AUREUS - PLATELAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS
SAUR-DTS-241107-017-01 - TUE, NOV 12, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	PASS

HVMET

HEAVY METALS - 4LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
HVMET-DTS-241107-017-01 - WED, NOV 13, 2024

ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.373 ug/g	N/A	1.00 ug/g	0.198 ug/kg	0.662 ug/kg	PASS
Cadmium	0.021 ug/g	N/A	1.00 ug/g	0.082 ug/kg	0.272 ug/kg	PASS
Lead	1.015 ug/g	N/A	3.00 ug/g	0.155 ug/kg	0.515 ug/kg	PASS
Mercury	0.026 ug/g	N/A	1.00 ug/g	0.017 ug/kg	0.057 ug/kg	PASS

TYMFD

TOTAL YEAST & MOLD - PLATELAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
TYMFD-DTS-241107-017-01 - WED, NOV 13, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	ND	100 CFU/g	10 CFU/g	10 CFU/g	PASS

FTIRR

IDENTIFICATION BY FTIR - REPORTNULL IDENTIFICATION BY FTIR
FTIRR-DTS-241107-017-01 - MON, NOV 11, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	99.768 %	95-100 %			PASS





Certificate of Analysis

Customer Information

Client: Super Organics
Attention: (754) 800-5219
Address: 7901 4th St N, STE 300
 St. Petersburg, FL 33702

Testing Facility

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

Sample Image(s)



Sample Information

Name: Kratom Powder
Lot Number: 0003566
Description: Finely ground plant material
Condition: Good
Job ID: ISO06013
Sample ID: I16806
Received: 19JAN2026
Completed: 26JAN2026
Issued: 27JAN2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 26JAN2026 | 2351

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.29	w/w%	0.0052	N/A
7-Hydroxymitragynine	Report Results	0.00316	w/w%	0.0014	N/A
Paynantheine	Report Results	0.243	w/w%	0.0052	N/A
Speciogynine	Report Results	0.182	w/w%	0.0052	N/A
Speciociliatine	Report Results	0.403	w/w%	0.0052	N/A
Total Mitragyna Alkaloids	Report Results	2.12	w/w%	0.0052	N/A

Microbiological Examination

Method Code: T005

Tested: 20JAN2026 | 1627

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Coliforms	NMT 10,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS

Additional Report Notes

N/A

Revision History

rev 00 - Initial release.

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

Authorization

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

Signature:	<i>Tyler West</i>	Position:	Laboratory Director
Name:	Tyler West	Department:	Management
		Date:	27JAN2026



Certificate of Analysis

Customer Information

Client: Super Organics
Attention: (754) 247-9542
Address: 7901 4th St N, STE 300
 St. Petersburg, FL 33702

Testing Facility

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

Sample Image(s)



Sample Information

Name: Kratom Capsules
Lot Number: 0003566
Description: Hard-shell capsule
Condition: Good
Job ID: ISO06363
Sample ID: I17741
Received: 19FEB2026
Completed: 24FEB2026
Issued: 26FEB2026

Test Results

Microbiological Examination

Method Code: T005

Tested: 23FEB2026 | 1006

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000,000 CFU/g	100	CFU/g	20 CFU/g	PASS
Total Yeast and Mold	NMT 100,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Total Coliforms	NMT 10,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Escherichia coli	Not Detected in 10 g	Not Detected	N/A	1 CFU/10g	PASS
Salmonella spp.	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 24FEB2026 | 0920

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.00	0.313	ug/g	0.006	PASS
Cadmium	NMT 0.40	0.021	ug/g	0.002	PASS
Mercury	NMT 0.20	0.021	ug/g	0.002	PASS
Lead	NMT 1.25	0.597	ug/g	0.002	PASS

Additional Report Notes

N/A

Revision History

rev 00 - Initial release.

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

Authorization

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

Signature:

Tyler West

Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

26FEB2026



Certificate of Analysis

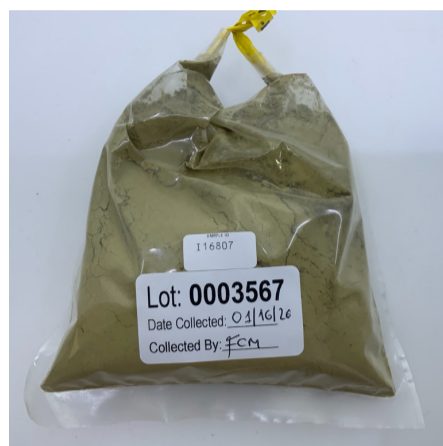
Customer Information

Client: Super Organics
Attention: (754) 800-5219
Address: 7901 4th St N, STE 300
 St. Petersburg, FL 33702

Testing Facility

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

Sample Image(s)



Sample Information

Name: Kratom Powder
Lot Number: 0003567
Description: Finely ground plant material
Condition: Good
Job ID: ISO06013
Sample ID: I16807
Received: 19JAN2026
Completed: 27JAN2026
Issued: 27JAN2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 27JAN2026 | 0019

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.26	w/w%	0.0053	N/A
7-Hydroxymitragynine	Report Results	0.00370	w/w%	0.0014	N/A
Paynantheine	Report Results	0.235	w/w%	0.0053	N/A
Speciogynine	Report Results	0.176	w/w%	0.0053	N/A
Speciociliatine	Report Results	0.388	w/w%	0.0053	N/A
Total Mitragyna Alkaloids	Report Results	2.06	w/w%	0.0053	N/A

Microbiological Examination

Method Code: T005

Tested: 20JAN2026 | 1627

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Coliforms	NMT 10,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS

Additional Report Notes

N/A

Revision History

rev 00 - Initial release.

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

Authorization

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

Signature:	<i>Tyler West</i>	Position:	Laboratory Director
Name:	Tyler West	Department:	Management
		Date:	27JAN2026



Certificate of Analysis

Customer Information

Client: Super Organics
Attention: (754) 800-5219
Address: 7901 4th St N, STE 300
 St. Petersburg, FL 33702

Testing Facility

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

Sample Image(s)



Sample Information

Name: Kratom Powder
Lot Number: 0003567
Description: Finely ground plant material
Condition: Good
Job ID: ISO06160
Sample ID: I17227
Received: 03FEB2026
Completed: 06FEB2026
Issued: 09FEB2026

Test Results

Microbiological Examination

Method Code: T005

Tested: 04FEB2026 | 1915

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000,000 CFU/g	60	CFU/g	20 CFU/g	PASS
Total Yeast and Mold	NMT 100,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Total Coliforms	NMT 10,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Escherichia coli	Not Detected in 10 g	Not Detected	N/A	1 CFU/10g	PASS
Salmonella spp.	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 05FEB2026 | 0926

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.00	0.233	ug/g	0.006	PASS
Cadmium	NMT 0.40	0.019	ug/g	0.002	PASS
Mercury	NMT 0.20	0.015	ug/g	0.002	PASS
Lead	NMT 1.25	0.561	ug/g	0.002	PASS

Additional Report Notes

N/A

Revision History

rev 00 - Initial release.

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

Authorization

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

Signature:

Tyler West

Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

09FEB2026