Certificate of Analysis

Customer Information

Client:

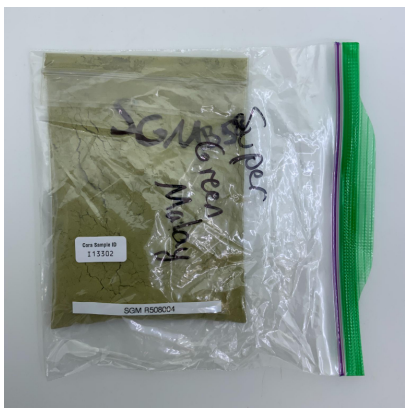
Attention:

Address:

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:	Green Malay
Lot Number:	SGM R508004
Description:	Finely ground plant material
Condition:	Good
Job ID:	ISO04854
Sample ID:	I13302
Received:	02SEP2025
Completed:	06SEP2025
Issued:	08SEP2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 06SEP2025 | 0131**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.60	w/w%	0.0027	N/A
7-Hydroxymitragynine	Report Results	0.00487	w/w%	0.0027	N/A
Paynantheine	Report Results	0.296	w/w%	0.0027	N/A
Speciogynine	Report Results	0.232	w/w%	0.0027	N/A
Speciociliatine	Report Results	0.352	w/w%	0.0027	N/A
Total Mitragyna Alkaloids	Report Results	2.49	w/w%	0.0027	N/A

Elemental Impurities (ICP-MS) **Method Code: T301** **Tested: 05SEP2025 | 1429**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.153	ug/g	0.006	PASS
Cadmium	NMT 0.50	<LOQ	ug/g	0.002	PASS
Mercury	NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead	NMT 5.00	0.450	ug/g	0.002	PASS

Microbiological Examination **Method Code: T005** **Tested: 02SEP2025 | 1544**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000,000 CFU/g	1,320	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

Pesticides (GC-MS/MS) **Method Code: T401** **Tested: 05SEP2025 | 0512**

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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Acephate	NMT 0.1	ND	mg/Kg	0.0099	PASS
Azinphos-ethyl	NMT 0.1	ND	mg/Kg	0.0099	PASS
Azinphos-methyl	NMT 1	ND	mg/Kg	0.0099	PASS
Bromophos-ethyl	NMT 0.05	ND	mg/Kg	0.0099	PASS
Bromophos-methyl	NMT 0.05	ND	mg/Kg	0.0099	PASS
Chlorfenvinphos	NMT 0.5	ND	mg/Kg	0.0099	PASS
Deltamethrin	NMT 0.5	ND	mg/Kg	0.0099	PASS
Diazinon	NMT 0.5	ND	mg/Kg	0.0099	PASS
Dichlofluanid	NMT 0.1	ND	mg/Kg	0.0099	PASS
Dichlorvos	NMT 1	ND	mg/Kg	0.0197	PASS
Dimethoate (and Omethoate, sum)	NMT 0.1	ND	mg/Kg	0.0099	PASS
Omethaote	Report Results	ND	mg/Kg	0.0099	N/A
Dithiocarbamates (sum, as CS2)	NMT 2	ND	mg/Kg	0.0986	PASS
Dithiocarbamate, manganese	Report Results	ND	mg/Kg	0.0493	N/A
Dithiocarbamate, zinc	Report Results	ND	mg/Kg	0.0493	N/A
Ethion	NMT 2	ND	mg/Kg	0.0099	PASS
Etrimphos	NMT 0.05	ND	mg/Kg	0.0099	PASS
Fenchlorphos	NMT 0.1	ND	mg/Kg	0.0197	PASS
Fenchlorphos oxon	Report Results	ND	mg/Kg	0.0099	N/A
Fenitrothion	NMT 0.5	ND	mg/Kg	0.0099	PASS
Fenpropathrin	NMT 0.03	ND	mg/Kg	0.0099	PASS
Fensulfothions (sum)	NMT 0.05	ND	mg/Kg	0.0394	PASS
Fensulfothion-oxon	Report Results	ND	mg/Kg	0.0099	N/A
Fensulfothion-oxonsulfone	Report Results	ND	mg/Kg	0.0099	N/A
Fensulfothion-sulfone	Report Results	ND	mg/Kg	0.0099	N/A
Fenthions (sum)	NMT 0.05	ND	mg/Kg	0.0197	PASS
Fenthion oxon	Report Results	ND	mg/Kg	0.0197	N/A
Fenthion oxonsulfone	Report Results	ND	mg/Kg	0.0197	N/A
Fenthion oxonsulfoxide	Report Results	ND	mg/Kg	0.0197	N/A
Fenthion sulfone	Report Results	ND	mg/Kg	0.0197	N/A
Fenthion sulfoxide	Report Results	ND	mg/Kg	0.0197	N/A
Flucythrinate	NMT 0.05	ND	mg/Kg	0.0099	PASS
Fluvalinate	NMT 0.05	ND	mg/Kg	0.0099	PASS
Fonophos	NMT 0.05	ND	mg/Kg	0.0099	PASS
Malathion (and oxon, sum)	NMT 1	ND	mg/Kg	0.0197	PASS
Malathion oxon	Report Results	ND	mg/Kg	0.0099	N/A
Mecarbam	NMT 0.05	ND	mg/Kg	0.0099	PASS
Methacriphos	NMT 0.05	ND	mg/Kg	0.0099	PASS
Methamidophos	NMT 0.05	ND	mg/Kg	0.0099	PASS
Methadathion	NMT 0.2	ND	mg/Kg	0.0099	PASS
Monocrotophos	NMT 0.1	ND	mg/Kg	0.0099	PASS
Parathion-ethyl (and oxon, sum)	NMT 0.5	ND	mg/Kg	0.0197	PASS
Paraoxon ethyl	Report Results	ND	mg/Kg	0.0099	N/A
Parathion-methyl (and oxon, sum)	NMT 0.2	ND	mg/Kg	0.0197	PASS
Paraoxon methyl	Report Results	ND	mg/Kg	0.0099	N/A
Pendimethalin	NMT 0.1	ND	mg/Kg	0.0099	PASS

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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Phosalone	NMT 0.1	ND	mg/Kg	0.0099	PASS
Pirimiphos ethyl	NMT 0.05	ND	mg/Kg	0.0099	PASS
Pirimphos methyl (and N-desethyl-, sum)	NMT 4	ND	mg/Kg	0.0296	PASS
N-desethylpirimiphos methyl	Report Results	ND	mg/Kg	0.0197	N/A
Procymidone	NMT 0.1	ND	mg/Kg	0.0099	PASS
Profenofos	NMT 0.1	ND	mg/Kg	0.0099	PASS
Prothiophos	NMT 0.05	ND	mg/Kg	0.0099	PASS
Pyrethrum (sum of following six)	NMT 3	ND	mg/Kg	0.0493	PASS
Cinerin I	Report Results	ND	mg/Kg	0.0493	N/A
Cinerin II	Report Results	ND	mg/Kg	0.0493	N/A
Jasmoline I	Report Results	ND	mg/Kg	0.0493	N/A
Jasmoline II	Report Results	ND	mg/Kg	0.0493	N/A
Pyrethrin I	Report Results	ND	mg/Kg	0.0493	N/A
Pyrethrin II	Report Results	ND	mg/Kg	0.0493	N/A
Quinalphos	NMT 0.05	ND	mg/Kg	0.0099	PASS
Tetradifon	NMT 0.3	ND	mg/Kg	0.0099	PASS
Vinclozolin	NMT 0.4	ND	mg/Kg	0.0099	PASS
Aldrin (and Dieldrin, sum)	NMT 0.05	ND	mg/Kg	0.0197	PASS
Dieldrin	Report Results	ND	mg/Kg	0.0099	N/A
Alachlor	NMT 0.05	ND	mg/Kg	0.0099	PASS
Bromopropylate	NMT 3	ND	mg/Kg	0.0099	PASS
Chlordanes (sum)	NMT 0.05	ND	mg/Kg	0.0197	PASS
cis-Chlordane	Report Results	ND	mg/Kg	0.0099	N/A
trans-Chlordane	Report Results	ND	mg/Kg	0.0099	N/A
oxy-Chlordane	Report Results	ND	mg/Kg	0.0197	N/A
Chlorpyrifos-ethyl	NMT 0.2	ND	mg/Kg	0.0099	PASS
Chlorpyrifos-methyl	NMT 0.1	ND	mg/Kg	0.0099	PASS
Chlorthal-dimethyl	NMT 0.01	ND	mg/Kg	0.0099	PASS
Cyfluthrin	NMT 0.1	ND	mg/Kg	0.0197	PASS
lambda-Cyhalothrin	NMT 1	ND	mg/Kg	0.0099	PASS
Cypermethrins	NMT 1	0.074	mg/Kg	0.0197	PASS
DDT (sum of DDT, DDE, DDD)	NMT 1	ND	mg/Kg	0.0099	PASS
o,p-DDT	Report Results	ND	mg/Kg	0.0099	N/A
p,p-DDT	Report Results	ND	mg/Kg	0.0099	N/A
o,p-DDE	Report Results	ND	mg/Kg	0.0099	N/A
p,p-DDE	Report Results	ND	mg/Kg	0.0099	N/A
o,p-DDD	Report Results	ND	mg/Kg	0.0099	N/A
p,p-DDD	Report Results	ND	mg/Kg	0.0099	N/A
Dicofol	NMT 0.5	ND	mg/Kg	0.0099	PASS
Endosulfans	NMT 3	ND	mg/Kg	0.0099	PASS
Endosulfan I	Report Results	ND	mg/Kg	0.0099	N/A
Endosulfan II	Report Results	ND	mg/Kg	0.0099	N/A
Endosulfan sulfate	Report Results	ND	mg/Kg	0.0099	N/A
Endrin	NMT 0.05	ND	mg/Kg	0.0099	PASS
Fenvalderate (and esfen-, sum)	NMT 1.5	ND	mg/Kg	0.0197	PASS
Esfenvalerate	Report Results	ND	mg/Kg	0.0197	N/A

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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Heptachlor (and epoxide, sum)	NMT 0.05	ND	mg/Kg	0.0197	PASS
Heptachlor epoxide (cis/trans)	Report Results	ND	mg/Kg	0.0099	N/A
Hexachlorobenzene	NMT 0.1	ND	mg/Kg	0.0099	PASS
Hexachlorohexanes (sum)	NMT 0.3	ND	mg/Kg	0.0099	PASS
alpha-Hexachlorocyclohexane	Report Results	ND	mg/Kg	0.0099	N/A
beta-Hexachlorocyclohexane	Report Results	ND	mg/Kg	0.0099	N/A
delta-Hexachlorocyclohexane	Report Results	ND	mg/Kg	0.0099	N/A
Lindane	NMT 0.6	ND	mg/Kg	0.0099	PASS
Methoxychlor	NMT 0.05	ND	mg/Kg	0.0099	PASS
Mirex	NMT 0.01	ND	mg/Kg	0.0099	PASS
Pentachloroanisole	NMT 0.01	ND	mg/Kg	0.0099	PASS
Permethrins (sum)	NMT 1	0.16	mg/Kg	0.0099	PASS
cis-Permethrin	Report Results	0.045	mg/Kg	0.0099	N/A
trans-Permethin	Report Results	0.12	mg/Kg	0.0099	N/A
Piperonyl butoxide	NMT 3	ND	mg/Kg	0.0099	PASS
Quintozene (sum of following two)	NMT 1	ND	mg/Kg	0.0888	PASS
Pentachloroaniline	Report Results	ND	mg/Kg	0.0197	N/A
Methyl pentachlorophenyl sulfide	Report Results	ND	mg/Kg	0.0493	N/A
Tecnazene	NMT 0.05	ND	mg/Kg	0.0099	PASS
S-421	NMT 0.02	ND	mg/Kg	0.0099	PASS

Additional Report Notes

T401 performed by a registered outsourcing facility.

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

Name: Tyler West

Position: Laboratory Director

Department: Management

Date: 08SEP2025

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