

# Certificate of Analysis



## CUSTOMER INFORMATION

Client Name: Eat-OHMZ  
Address:  
Phone Number:

## TESTING FACILITY

Cora Science, LLC  
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## SAMPLE IMAGE(S)



## JOB / SAMPLE INFORMATION

Received: 01MAR2024  
Condition: Good  
Job ID: ISO01786  
Sample ID: I037890  
Sample Name: Kratom Powder Extract  
Lot GS/MIT/L/B/23010  
Description: Powder botanical extract  
Completed: 08MAR2024  
Issued: 09MAR2024

## TEST RESULT(S)

Mitragyna Alkaloids (UHPLC-DAD)		Method Code:	T102	Tested: 01MAR2024   2021	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	58.3	w/w%	0.164	N/A
7-Hydroxymitragynine	Report Results	20.15	w/w%	0.044	N/A
Paynantheine	Report Results	3.94	w/w%	0.164	N/A
Speciogynine	Report Results	2.97	w/w%	0.164	N/A
Speciociliatine	Report Results	0.362	w/w%	0.164	N/A
Total Mitragyna Alkaloids	Report Results	85.7	w/w%	0.164	N/A
Elemental Impurities (ICP-MS)		Method Code:	T301	Tested: 04MAR2024   1452	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.0	<LOQ	ug/g	0.043	PASS
Cadmium	NMT 0.4	<LOQ	ug/g	0.0085	PASS
Lead	NMT 1.25	0.094	ug/g	0.0085	PASS
Mercury	NMT 0.2	<LOQ	ug/g	0.0085	PASS
Microbiological Examination		Method Code:	T005	Tested: 04MAR2024   0946	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000 CFU/gram	Not Detected	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	1,000 CFU/gram	Not Detected	CFU/gram	20 CFU/gram	PASS
Total Coliforms	100 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

Residual Solvents (GC-MS)		Method Code:	T201	Tested:	08MAR2024   2300
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
1,1-Dichloroethene	NMT 8	<LOQ	ug/g	0.8	PASS
1,1,1-Trichloroethane	NMT 1500	<LOQ	ug/g	150	PASS
Tetrachloromethane	NMT 4	<LOQ	ug/g	0.4	PASS
Benzene	NMT 2	<LOQ	ug/g	0.2	PASS
1,2-Dichloroethane	NMT 5	<LOQ	ug/g	0.5	PASS
Methanol	NMT 3000	<LOQ	ug/g	150	PASS
Acetonitrile	NMT 410	<LOQ	ug/g	41	PASS
Dichloromethane	NMT 600	<LOQ	ug/g	60	PASS
1,2-Dichloroethene, (E)	NMT 1870	<LOQ	ug/g	187	PASS
1,2-Dichloroethene, (Z)	NMT 1870	<LOQ	ug/g	187	PASS
Tetrahydrofuran	NMT 720	<LOQ	ug/g	72	PASS
Cyclohexane	NMT 3880	<LOQ	ug/g	388	PASS
Methylcyclohexane	NMT 1180	<LOQ	ug/g	118	PASS
1,4-Dioxane	NMT 380	<LOQ	ug/g	38	PASS
Toluene	NMT 890	<LOQ	ug/g	89	PASS
Chlorobenzene	NMT 360	<LOQ	ug/g	36	PASS
Ethylbenzene	NMT 2170	<LOQ	ug/g	217	PASS
o/p-Xylene	NMT 2170	<LOQ	ug/g	217	PASS
m-Xylene	NMT 2170	<LOQ	ug/g	217	PASS
Isopropylbenzene	NMT 70	<LOQ	ug/g	7	PASS
Hexane	NMT 290	<LOQ	ug/g	29	PASS
Nitromethane	NMT 50	<LOQ	ug/g	5	PASS
Chloroform	NMT 60	<LOQ	ug/g	6	PASS
1,2-Dimethoxyethane	NMT 100	<LOQ	ug/g	10	PASS
Trichloroethene	NMT 80	<LOQ	ug/g	8	PASS
Pyridine	NMT 200	<LOQ	ug/g	20	PASS
2-Hexanone	NMT 50	<LOQ	ug/g	5	PASS
Tetralin	NMT 100	<LOQ	ug/g	10	PASS
Dimethylformamide	NMT 880	<LOQ	ug/g	88	PASS
Pentane	NMT 5000	<LOQ	ug/g	500	PASS
Ethanol	NMT 5000	<LOQ	ug/g	500	PASS
Diethyl Ether	NMT 5000	<LOQ	ug/g	500	PASS
Acetone	NMT 5000	8,399	ug/g	500	FAIL
Ethyl Formate	NMT 5000	<LOQ	ug/g	500	PASS
Isopropanol	NMT 5000	<LOQ	ug/g	500	PASS
Methyl Acetate	NMT 5000	<LOQ	ug/g	500	PASS
Methyl tert-Butyl Ether	NMT 5000	<LOQ	ug/g	500	PASS
1-Propanol	NMT 5000	<LOQ	ug/g	500	PASS

Residual Solvents (GC-MS)		Method Code:	T201	Tested: 08MAR2024   2300	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
2-Butanone	NMT 5000	<LOQ	ug/g	500	PASS
Ethyl Acetate	NMT 5000	<LOQ	ug/g	500	PASS
2-Butanol	NMT 5000	<LOQ	ug/g	500	PASS
2-Methyl-1-Propanol	NMT 5000	<LOQ	ug/g	500	PASS
Isopropyl Acetate	NMT 5000	<LOQ	ug/g	500	PASS
Heptane	NMT 5000	<LOQ	ug/g	500	PASS
1-Butanol	NMT 5000	<LOQ	ug/g	500	PASS
Propyl Acetate	NMT 5000	<LOQ	ug/g	500	PASS
4-Methyl-2-Pentanone	NMT 5000	<LOQ	ug/g	500	PASS
Isoamyl Alcohol	NMT 5000	<LOQ	ug/g	500	PASS
Isobutyl Acetate	NMT 5000	<LOQ	ug/g	500	PASS
1-Pentanol	NMT 5000	<LOQ	ug/g	500	PASS
Butyl Acetate	NMT 5000	<LOQ	ug/g	500	PASS
Dimethylsulfoxide	NMT 5000	<LOQ	ug/g	500	PASS
Anisole	NMT 5000	<LOQ	ug/g	500	PASS

Pesticides (LC-MS/MS and GC-MS)		Method Code:	T401	Tested: 06MAR2024   1927	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Acephate	NMT 0.1	ND	ug/g	0.01	PASS
Aldrin	NMT 0.05	ND	ug/g	0.02	PASS
Dieldrin	NMT 0.05	ND	ug/g	0.01	PASS
Alachlor	NMT 0.05	ND	ug/g	0.01	PASS
Azinphos-ethyl	NMT 0.1	ND	ug/g	0.01	PASS
Azinphos-methyl	NMT 1.0	ND	ug/g	0.01	PASS
Bromophos-ethyl	NMT 0.05	ND	ug/g	0.01	PASS
Bromophos-methyl	NMT 0.05	ND	ug/g	0.01	PASS
Bromopropylate	NMT 3	ND	ug/g	0.01	PASS
Chlordanes	NMT 0.05	ND	ug/g	0.04	PASS
cis-Chlordane	NMT 0.05	ND	ug/g	0.01	PASS
trans-Chlordane	NMT 0.05	ND	ug/g	0.01	PASS
oxy-Chlordane	NMT 0.05	ND	ug/g	0.02	PASS
Chlorfenvinphos	NMT 0.5	ND	ug/g	0.01	PASS
Chlorpyrifos-ethyl	NMT 0.2	ND	ug/g	0.01	PASS
Chlorpyrifos-methyl	NMT 0.1	ND	ug/g	0.01	PASS
Chlorthal-dimethyl	NMT 0.01	ND	ug/g	0.01	PASS
Cyfluthrin	NMT 0.1	ND	ug/g	0.02	PASS
lambda-Cyhalothrin	NMT 1	ND	ug/g	0.01	PASS
Cypermethrins	NMT 1	ND	ug/g	0.02	PASS
DDT	NMT 1	ND	ug/g	0.06	PASS
o,p-DDT	NMT 1	ND	ug/g	0.01	PASS

Pesticides (LC-MS/MS and GC-MS)		Method Code:	T401	Tested:	06MAR2024   1927
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
p,p-DDT	NMT 1	ND	ug/g	0.01	PASS
o,p-DDE	NMT 1	ND	ug/g	0.01	PASS
p,p-DDE	NMT 1	ND	ug/g	0.01	PASS
o,p-DDD	NMT 1	ND	ug/g	0.01	PASS
p,p-DDD	NMT 1	ND	ug/g	0.01	PASS
Deltamethrin	NMT 0.5	ND	ug/g	0.01	PASS
Diazinon	NMT 0.5	ND	ug/g	0.01	PASS
Dichlofluanid	NMT 0.1	ND	ug/g	0.01	PASS
Dichlorvos	NMT 1	ND	ug/g	0.02	PASS
Dicofol	NMT 0.5	ND	ug/g	0.01	PASS
Dimethoate	NMT 0.1	ND	ug/g	0.01	PASS
Omethaote	NMT 0.1	ND	ug/g	0.01	PASS
Dithiocarbamates as CS2	NMT 2	ND	ug/g	0.1	PASS
Dithiocarbamate, manganese	NMT 2	ND	ug/g	0.05	PASS
Dithiocarbamate, zinc	NMT 2	ND	ug/g	0.05	PASS
Endosulfans	NMT 3	ND	ug/g	0.03	PASS
Endosulfan I	NMT 3	ND	ug/g	0.01	PASS
Endosulfan II	NMT 3	ND	ug/g	0.01	PASS
Endosulfan sulfate	NMT 3	ND	ug/g	0.01	PASS
Endrin	NMT 0.05	ND	ug/g	0.01	PASS
Ethion	NMT 2	ND	ug/g	0.01	PASS
Etrimphos	NMT 0.05	ND	ug/g	0.01	PASS
Fenclorphos	NMT 0.1	ND	ug/g	0.02	PASS
Fenclorphos oxon	NMT 0.1	ND	ug/g	0.01	PASS
Fenitrothion	NMT 0.5	ND	ug/g	0.01	PASS
Fenpropathrin	NMT 0.03	ND	ug/g	0.01	PASS
Fensulfothion	NMT 0.05	ND	ug/g	0.04	PASS
Fensulfothion-oxon	NMT 0.05	ND	ug/g	0.01	PASS
Fensulfothion-oxonsulfone	NMT 0.05	ND	ug/g	0.01	PASS
Fensulfothion-sulfone	NMT 0.05	ND	ug/g	0.01	PASS
Fenthion	NMT 0.05	ND	ug/g	0.05	PASS
Fenthion oxon	NMT 0.05	ND	ug/g	0.01	PASS
Fenthion oxonsulfone	NMT 0.05	ND	ug/g	0.01	PASS
Fenthion oxonsulfoxide	NMT 0.05	ND	ug/g	0.01	PASS
Fenthion sulfone	NMT 0.05	ND	ug/g	0.01	PASS
Fenthion sulfoxide	NMT 0.05	ND	ug/g	0.01	PASS
Fenvalerate	NMT 1.5	ND	ug/g	0.04	PASS
Esfenvalerate	NMT 0.05	ND	ug/g	0.02	PASS
Flucythrinate	NMT 0.05	ND	ug/g	0.01	PASS

Pesticides (LC-MS/MS and GC-MS)		Method Code:	T401	Tested:	06MAR2024   1927
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Fluvalinate	NMT 0.05	ND	ug/g	0.01	PASS
Fonophos	NMT 0.05	ND	ug/g	0.01	PASS
Heptachlor	NMT 0.05	ND	ug/g	0.02	PASS
Heptachlor epoxide (cis/trans)	NMT 0.05	ND	ug/g	0.01	PASS
Hexachlorobenzene	NMT 0.1	ND	ug/g	0.01	PASS
Hexachlorohexanes	NMT 0.3	ND	ug/g	0.03	PASS
alpha-Hexachlorocyclohexane	NMT 0.3	ND	ug/g	0.01	PASS
beta-Hexachlorocyclohexane	NMT 0.3	ND	ug/g	0.01	PASS
delta-Hexachlorocyclohexane	NMT 0.3	ND	ug/g	0.01	PASS
Lindan	NMT 0.6	ND	ug/g	0.01	PASS
Malathion	NMT 1	ND	ug/g	0.02	PASS
Malathion oxon	NMT 1	ND	ug/g	0.01	PASS
Mecarbam	NMT 0.05	ND	ug/g	0.01	PASS
Methacriphos	NMT 0.05	ND	ug/g	0.01	PASS
Methamidophos	NMT 0.05	ND	ug/g	0.01	PASS
Methadathion	NMT 0.2	ND	ug/g	0.01	PASS
Methoxychlor	NMT 0.05	ND	ug/g	0.01	PASS
Mirex	NMT 0.01	ND	ug/g	0.01	PASS
Monocrotophos	NMT 0.1	ND	ug/g	0.01	PASS
Parathion-ethyl	NMT 0.5	ND	ug/g	0.02	PASS
Paraoxon ethyl	NMT 0.5	ND	ug/g	0.01	PASS
Parathion-methyl	NMT 0.2	ND	ug/g	0.02	PASS
Paraoxon methyl	NMT 0.2	ND	ug/g	0.01	PASS
Pendimethalin	NMT 0.1	ND	ug/g	0.01	PASS
Pentachloroanisole	NMT 0.01	ND	ug/g	0.01	PASS
Permethrins	NMT 1	ND	ug/g	0.02	PASS
cis-Permethrin	NMT 1	ND	ug/g	0.01	PASS
trans-Permethin	NMT 1	ND	ug/g	0.01	PASS
Phosalone	NMT 0.1	ND	ug/g	0.01	PASS
Piperonyl butoxide	NMT 3	ND	ug/g	0.01	PASS
Pirimiphos ethyl	NMT 0.05	ND	ug/g	0.01	PASS
Pirimiphos methyl	NMT 4	ND	ug/g	0.03	PASS
N-desethylpirimiphos methyl	NMT 4	ND	ug/g	0.02	PASS
Procymidone	NMT 0.1	ND	ug/g	0.01	PASS
Profenofos	NMT 0.1	ND	ug/g	0.01	PASS
Prothiophos	NMT 0.05	ND	ug/g	0.01	PASS
Pyrethrum	NMT 3	ND	ug/g	0.3	PASS
Cinerin I	NMT 3	ND	ug/g	0.05	PASS
Cinerin II	NMT 3	ND	ug/g	0.05	PASS

Pesticides (LC-MS/MS and GC-MS)		Method Code:	T401	Tested: 06MAR2024   1927	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Jasmoline I	NMT 3	ND	ug/g	0.05	PASS
Jasmoline II	NMT 3	ND	ug/g	0.05	PASS
Pyrethrin I	NMT 3	ND	ug/g	0.05	PASS
Pyrethrin II	NMT 3	ND	ug/g	0.05	PASS
Quinalphos	NMT 0.05	ND	ug/g	0.01	PASS
Quintozene	NMT 1	ND	ug/g	0.09	PASS
Pentachloroaniline	NMT 1	ND	ug/g	0.02	PASS
Methyl pentachlorophenyl sulfide	NMT 1	ND	ug/g	0.05	PASS
Tecnazene	NMT 0.05	ND	ug/g	0.01	PASS
S-421	NMT 0.02	ND	ug/g	0.01	PASS
Tetradifon	NMT 0.3	ND	ug/g	0.01	PASS
Vinclozolin	NMT 0.4	ND	ug/g	0.01	PASS

## ADDITIONAL REPORT NOTES

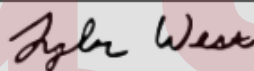
T301 and T401 performed by a registered outsourcing facility. Specifications provided by client.

## 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:

09 MAR 2024

## 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