

Certificate of Analysis



CUSTOMER INFORMATION

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

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: 26 JAN 2024
 Condition: Good
 Job ID: ISO01677
 Sample ID: I03435
 Sample Name: Kratom Tablets
 Lot T063
 Description: Pressed tablet
 Completed: 05 FEB 2024
 Issued: 06 FEB 2024

TEST RESULT(S)

Mitragyna Alkaloids (UHPLC-DAD)		Method Code:	T102	Tested: 04FEB2024 0117	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.39	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	0.014	w/w%	0.003	N/A
Paynantheine	Report Results	0.270	w/w%	0.011	N/A
Speciogynine	Report Results	0.213	w/w%	0.011	N/A
Speciociliatine	Report Results	0.472	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	2.36	w/w%	0.011	N/A

Mitragyna Alkaloids (UHPLC-DAD)		Method Code:	T102	Tested: 04FEB2024 0117	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	3.99	mg/unit	0.03	N/A
7-Hydroxymitragynine	Report Results	0.041	mg/unit	0.01	N/A
Paynantheine	Report Results	0.774	mg/unit	0.03	N/A
Speciogynine	Report Results	0.610	mg/unit	0.03	N/A
Speciociliatine	Report Results	1.35	mg/unit	0.03	N/A
Total Mitragyna Alkaloids	Report Results	6.76	mg/unit	0.03	N/A

Elemental Impurities (ICP-MS)		Method Code:	T301	Tested: 04FEB2024 1608	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.0	<LOQ	ug/g	0.049	PASS
Cadmium	NMT 0.4	<LOQ	ug/g	0.0098	PASS
Lead	NMT 1.25	0.013	ug/g	0.0098	PASS
Mercury	NMT 0.2	<LOQ	ug/g	0.0098	PASS

Microbiological Examination		Method Code:	T005	Tested: 30JAN2024 0944	
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
<i>Escherichia coli</i>	Not Detected in 10 grams	Not Detected	N/A	1 CFU/10 grams	PASS
<i>Salmonella</i>	Not Detected in 25 grams	Not Detected	N/A	1 CFU/25 grams	PASS
Pesticides (LC-MS/MS and GC-MS)		Method Code:	T401	Tested: 05FEB2024 1609	
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
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

Pesticides (LC-MS/MS and GC-MS)		Method Code:	T401	Tested:	05FEB2024 1609
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
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
Fenclorophos	NMT 0.1	ND	ug/g	0.02	PASS
Fenclorophos 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
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

Pesticides (LC-MS/MS and GC-MS)		Method Code:	T401	Tested:	05FEB2024 1609
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
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
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

Pesticides (LC-MS/MS and GC-MS)		Method Code:	T401	Tested: 05FEB2024 1609	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Tetradifon	NMT 0.3	ND	ug/g	0.01	PASS
Vinclozolin	NMT 0.4	ND	ug/g	0.01	PASS

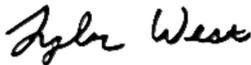
ADDITIONAL REPORT NOTES

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured unit weight of 0.287 grams. 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:** 06 FEB 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