

Certificate of Analysis



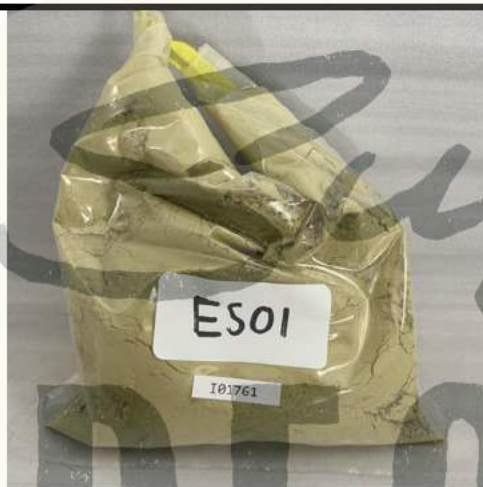
CUSTOMER INFORMATION

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

TESTING FACILITY

Cora Science, LLC
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 info@corascience.com

SAMPLE IMAGE(S)



JOB / SAMPLE INFORMATION

Received: 26 MAY 2023
 Condition: Good
 Job ID: ISO01256
 Sample ID: I01761
 Sample Name: Kratom Extract Powder
 Lot ES01
 Description: Powder botanical extract
 Completed: 01 JUN 2023
 Issued: 01 JUN 2023

TEST RESULT(S)

Mitragnyna Alkaloids Assay (UHPLC-DAD)		Method Code:	T102	Tested: 31MAY2023 0222	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	6.62	w/w%	0.021	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.021	N/A
Paynantheine	Report Results	0.92	w/w%	0.021	N/A
Speciogynine	Report Results	0.70	w/w%	0.021	N/A
Speciociliatine	Report Results	1.29	w/w%	0.021	N/A
Total Mitragnyna Alkaloids	Report Results	9.53	w/w%	0.021	N/A

Elemental Impurities (ICP-MS)		Method Code:	T301	Tested: 31MAY2023 1917	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.0	0.29	ug/g	0.043	PASS
Cadmium	NMT 0.4	0.030	ug/g	0.0086	PASS
Lead	NMT 1.25	0.37	ug/g	0.0086	PASS
Mercury	NMT 0.2	0.045	ug/g	0.0086	PASS

Residual Solvents (GC-MS)		Method Code:	T201	Tested: 01JUN2023 2204	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
1,1-Dichloroethene	8	<LOQ	ug/g	0.8	PASS
1,1,1-Trichloroethane	1500	<LOQ	ug/g	150	PASS
Tetrachloromethane	4	<LOQ	ug/g	0.4	PASS
Benzene	2	<LOQ	ug/g	0.2	PASS

Residual Solvents (GC-MS)		Method Code:	T201	Tested:	01JUN2023 2204
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
1,2-Dichloroethane	5	<LOQ	ug/g	0.5	PASS
Methanol	3000	<LOQ	ug/g	150	PASS
Acetonitrile	410	<LOQ	ug/g	41	PASS
Dichloromethane	600	<LOQ	ug/g	60	PASS
1,2-Dichloroethene, (E)	1870	<LOQ	ug/g	187	PASS
1,2-Dichloroethene, (Z)	1870	<LOQ	ug/g	187	PASS
Tetrahydrofuran	720	<LOQ	ug/g	72	PASS
Cyclohexane	3880	<LOQ	ug/g	388	PASS
Methylcyclohexane	1180	<LOQ	ug/g	118	PASS
1,4-Dioxane	380	<LOQ	ug/g	38	PASS
Toluene	890	<LOQ	ug/g	89	PASS
Chlorobenzene	360	<LOQ	ug/g	36	PASS
Ethylbenzene	2170	<LOQ	ug/g	217	PASS
o/p-Xylene	2170	<LOQ	ug/g	217	PASS
m-Xylene	2170	<LOQ	ug/g	217	PASS
Isopropylbenzene	70	<LOQ	ug/g	7	PASS
Hexane	290	<LOQ	ug/g	29	PASS
Nitromethane	50	<LOQ	ug/g	5	PASS
Chloroform	60	<LOQ	ug/g	6	PASS
1,2-Dimethoxyethane	100	<LOQ	ug/g	10	PASS
Trichloroethene	80	<LOQ	ug/g	8	PASS
Pyridine	200	<LOQ	ug/g	20	PASS
2-Hexanone	50	<LOQ	ug/g	5	PASS
Tetralin	100	<LOQ	ug/g	10	PASS
Dimethylformamide	880	<LOQ	ug/g	88	PASS
Pentane	5000	<LOQ	ug/g	500	PASS
Ethanol	5000	<LOQ	ug/g	500	PASS
Diethyl Ether	5000	<LOQ	ug/g	500	PASS
Acetone	5000	<LOQ	ug/g	500	PASS
Ethyl Formate	5000	<LOQ	ug/g	500	PASS
Isopropanol	5000	<LOQ	ug/g	500	PASS
Methyl Acetate	5000	<LOQ	ug/g	500	PASS
Methyl tert-Butyl Ether	5000	<LOQ	ug/g	500	PASS
1-Propanol	5000	<LOQ	ug/g	500	PASS
2-Butanone	5000	<LOQ	ug/g	500	PASS
Ethyl Acetate	5000	<LOQ	ug/g	500	PASS
2-Butanol	5000	<LOQ	ug/g	500	PASS
2-Methyl-1-Propanol	5000	<LOQ	ug/g	500	PASS

Residual Solvents (GC-MS)		Method Code:	T201	Tested:	01JUN2023 2204
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Isopropyl Acetate	5000	<LOQ	ug/g	500	PASS
Heptane	5000	<LOQ	ug/g	500	PASS
1-Butanol	5000	<LOQ	ug/g	500	PASS
Propyl Acetate	5000	<LOQ	ug/g	500	PASS
4-Methyl-2-Pentanone	5000	<LOQ	ug/g	500	PASS
Isoamyl Alcohol	5000	<LOQ	ug/g	500	PASS
Isobutyl Acetate	5000	<LOQ	ug/g	500	PASS
1-Pentanol	5000	<LOQ	ug/g	500	PASS
Butyl Acetate	5000	<LOQ	ug/g	500	PASS
Dimethylsulfoxide	5000	<LOQ	ug/g	500	PASS
Anisole	5000	<LOQ	ug/g	500	PASS

Microbiological Examination		Method Code:	T005	Tested:	30MAY2023 1201
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	4,560	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	600	CFU/gram	20 CFU/gram	PASS
Total Coliforms	10,000 CFU/gram	230	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

ADDITIONAL REPORT NOTES

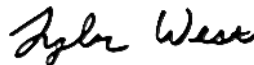
T301 performed by a registered outsourcing facility. Specifications provided by client.

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