

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
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Sample Image(s)



Sample Information

Name: Super Feels
Lot Number: SFC04
Description: Ready-to-drink botanical infused beverage
Condition: Good
Job ID: ISO02575
Sample ID: I06280
Received: 01OCT2024
Completed: 08OCT2024
Issued: 08OCT2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 03OCT2024 | 0614

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	72.3	mg/unit	0.88	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/unit	0.24	N/A
Paynantheine	Report Results	2.19	mg/unit	0.88	N/A
Speciogynine	Report Results	1.69	mg/unit	0.88	N/A
Speciociliatine	Report Results	<LOQ	mg/unit	0.88	N/A
Total Mitragyna Alkaloids	Report Results	76.2	mg/unit	0.88	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 03OCT2024 | 0614

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.120	w/w%	0.0015	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.0004	N/A
Paynantheine	Report Results	0.004	w/w%	0.0015	N/A
Speciogynine	Report Results	0.003	w/w%	0.0015	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.0015	N/A
Total Mitragyna Alkaloids	Report Results	0.127	w/w%	0.0015	N/A

Kavalactones (UHPLC-DAD)

Method Code: T104

Tested: 09OCT2024 | 1016

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	17.4	mg/unit	1.17	N/A
Dihydrokavain	Report Results	13.3	mg/unit	1.17	N/A
Methysticin	Report Results	4.90	mg/unit	1.17	N/A
Dihydromethysticin	Report Results	4.11	mg/unit	1.17	N/A
Yangonin	Report Results	5.10	mg/unit	1.17	N/A
Desmethoxyyangonin	Report Results	5.56	mg/unit	1.17	N/A
Flavokawain A	Report Results	<LOQ	mg/unit	1.17	N/A
Flavokawain B	Report Results	<LOQ	mg/unit	1.17	N/A
Flavokawain C	Report Results	<LOQ	mg/unit	1.17	N/A
Total Kavalactones	Report Results	50.3	mg/unit	1.17	N/A

Residual Solvents: Class I (GC-MS)

Method Code: T201

Tested: 04OCT2024 | 1232

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	75.0	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: 04OCT2024 | 1232

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Methanol	NMT 3000	<LOQ	ug/g	94	PASS
Acetonitrile	NMT 410	<LOQ	ug/g	20.5	PASS
Dichloromethane	NMT 600	<LOQ	ug/g	30.0	PASS
1,2-Dichloroethene, (E)	NMT 1870	<LOQ	ug/g	93.5	PASS
1,2-Dichloroethene, (Z)	NMT 1870	<LOQ	ug/g	93.5	PASS
Tetrahydrofuran	NMT 720	<LOQ	ug/g	36.0	PASS
Cyclohexane	NMT 3880	<LOQ	ug/g	194	PASS
Methylcyclohexane	NMT 1180	<LOQ	ug/g	59.0	PASS
1,4-Dioxane	NMT 380	<LOQ	ug/g	19.0	PASS
Toluene	NMT 890	<LOQ	ug/g	44.5	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	3.50	PASS
Hexane	NMT 290	<LOQ	ug/g	14.5	PASS
Nitromethane	NMT 50	<LOQ	ug/g	2.50	PASS
Chloroform	NMT 60	<LOQ	ug/g	3.00	PASS
1,2-Dimethoxyethane	NMT 100	<LOQ	ug/g	5.00	PASS
Trichloroethene	NMT 80	<LOQ	ug/g	4.00	PASS
Pyridine	NMT 200	<LOQ	ug/g	10.00	PASS
2-Hexanone	NMT 50	<LOQ	ug/g	2.50	PASS
Tetralin	NMT 100	<LOQ	ug/g	5.00	PASS

Residual Solvents: Class III (GC-MS)

Method Code: T201

Tested: 04OCT2024 | 1232

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Pentane	NMT 5000	<LOQ	ug/g	250	PASS
Ethanol	NMT 5000	<LOQ	ug/g	250	PASS
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

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 02OCT2024 | 1534

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.5	<LOQ	ug/g	0.0060	PASS
Cadmium	NMT 0.5	<LOQ	ug/g	0.0020	PASS
Lead	NMT 0.5	0.00593	ug/g	0.0020	PASS
Mercury	NMT 0.2	<LOQ	ug/g	0.0020	PASS

Microbiological Examination

Method Code: T005

Tested: 02OCT2024 | 1015

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

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured density of 1.018 g/mL and package specified fill volume of 59.0 mL.

Revision History

- rev 00 - Initial release.
- rev 01 - Added T104 results.

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:

08OCT2024