

Certificate of Analysis



Customer Information

Client: Steding and Sons Mercantile
Attention: (737) 895-2303
Address: 1501 Panther Loop #7A
 Pflugerville, TX 78660

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: 1836 SuperFit
Lot Number: SSSF0001
Description: Botanical-infused drink mix
Condition: Good
Job ID: ISO02917
Sample ID: I07381
Received: 05DEC2024
Completed: 12DEC2024
Issued: 12DEC2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 12DEC2024 | 0911

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	36.5	mg/unit	0.535	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/unit	0.143	N/A
Paynantheine	Report Results	0.869	mg/unit	0.535	N/A
Speciogynine	Report Results	0.715	mg/unit	0.535	N/A
Speciociliatine	Report Results	<LOQ	mg/unit	0.535	N/A
Total Mitragyna Alkaloids	Report Results	38.1	mg/unit	0.535	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 12DEC2024 | 0911

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.365	w/w%	0.0053	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.0014	N/A
Paynantheine	Report Results	0.009	w/w%	0.0053	N/A
Speciogynine	Report Results	0.007	w/w%	0.0053	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.0053	N/A
Total Mitragyna Alkaloids	Report Results	0.381	w/w%	0.0053	N/A

Caffeine (UHPLC-DAD)

Method Code: T126

Tested: 10DEC2024 | 1951

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Caffeine	Report Results	160	mg/unit	0.937	N/A

Caffeine (UHPLC-DAD)

Method Code: T126

Tested: 10DEC2024 | 1951

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Caffeine	Report Results	1.60	w/w%	0.0094	N/A

This report, prepared by Cora Science, LLC, shall not be reproduced except in its entirety without prior written approval. All test articles are analyzed as received and the results relate only to the specific sample of material or product analyzed. Test methods are performed in a laboratory accredited to ISO/IEC 17025:2017 in the field of testing by PJLA (Accreditation #116374) or a registered outsourcing facility. Some test methods reported may fall outside the scope of L22-250 supplement.

Elemental Impurities (ICP-MS)**Method Code: T301****Tested: 09DEC2024 | 1543**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	<LOQ	ug/g	0.006	PASS
Cadmium	NMT 0.82	0.004	ug/g	0.002	PASS
Mercury	NMT 0.40	0.028	ug/g	0.002	PASS
Lead	NMT 1.20	0.072	ug/g	0.002	PASS

Microbiological Examination**Method Code: T005****Tested: 05DEC2024 | 1604**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	Not Detected	CFU/g	20 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	Not Detected	CFU/g	20 CFU / g	PASS
Total Coliforms	10,000 CFU / g	Not Detected	CFU/g	20 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 and T126 result, LOQ and unit converted from w/w% to mg/unit using a package specified unit weight of 10.0 grams.

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:**Name:**

Tyler West

Position:

Laboratory Director

Department:

Management

Date:

12DEC2024