

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: Aristotle's Logic
Lot Number: 151926
Description: Finely ground plant material
Condition: Good
Job ID: ISO02387
Sample ID: I05714
Received: 14AUG2024
Completed: 21AUG2024
Issued: 21AUG2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 20AUG2024 | 2047

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.978	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	0.003	w/w%	0.003	N/A
Paynantheine	Report Results	0.204	w/w%	0.011	N/A
Speciogynine	Report Results	0.148	w/w%	0.011	N/A
Speciocilatine	Report Results	0.221	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	1.55	w/w%	0.011	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 20AUG2024 | 1528

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.0	0.0689	ug/g	0.0060	PASS
Cadmium	NMT 0.82	0.0187	ug/g	0.0020	PASS
Lead	NMT 1.20	0.363	ug/g	0.0020	PASS
Mercury	NMT 0.40	0.00278	ug/g	0.0020	PASS

Microbiological Examination

Method Code: T005

Tested: 19AUG2024 | 0929

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	1,260	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	60	CFU/gram	20 CFU/gram	PASS
Total Coliforms	10,000 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

Additional Report Notes

N/A

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:



Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

21AUG2024