

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: Electric Fresh
Lot Number: EF00001
Description: Pressed Tablet
Condition: Good
Job ID: ISO02628
Sample ID: I06462
Received: 10OCT2024
Completed: 15OCT2024
Issued: 16OCT2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 15OCT2024 | 1225

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	16.8	n.a.	0.014	N/A
7-Hydroxymitragynine	Report Results	0.010	n.a.	0.004	N/A
Paynantheine	Report Results	0.426	n.a.	0.014	N/A
Speciogynine	Report Results	0.344	n.a.	0.014	N/A
Speciociliatine	Report Results	0.136	n.a.	0.014	N/A
Total Mitragyna Alkaloids	Report Results	17.7	n.a.	0.014	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 15OCT2024 | 1225

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	6.79	w/w%	0.0055	N/A
7-Hydroxymitragynine	Report Results	0.004	w/w%	0.0015	N/A
Paynantheine	Report Results	0.172	w/w%	0.0055	N/A
Speciogynine	Report Results	0.139	w/w%	0.0055	N/A
Speciociliatine	Report Results	0.055	w/w%	0.0055	N/A
Total Mitragyna Alkaloids	Report Results	7.16	w/w%	0.0055	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 15OCT2024 | 1515

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.017	ug/g	0.006	PASS
Cadmium	NMT 0.82	0.024	ug/g	0.002	PASS
Mercury	NMT 0.40	<LOQ	ug/g	0.002	PASS
Lead	NMT 1.20	0.005	ug/g	0.002	PASS

Microbiological Examination

Method Code: T005

Tested: 11OCT2024 | 0931

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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 10 g	Not Detected	N/A	1 CFU / 10 g	PASS

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured unit weight of 0.248 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:



Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

16OCT2024