

Certificate of Analysis



Customer Information

Client: Southwell Research Providers
Attention: southwellresearchproviders@gmail.com
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 Austin, TX 77019

Testing Facility

Lab: Cora Science, LLC
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 Austin, Texas 78757
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Sample Image(s)



Sample Information

Name: White Maeng Da
Lot Number: Kreat Day White Maeng Da, 24-05-B1-WMD-HX
Description: Finely ground plant material
Condition: Good
Job ID: ISO02119
Sample ID: I04843
Received: 03JUN2024
Completed: 06JUN2024
Issued: 10JUN2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 05JUN2024 | 1432

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.37	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	0.006	w/w%	0.003	N/A
Paynantheine	Report Results	0.267	w/w%	0.011	N/A
Speciogynine	Report Results	0.215	w/w%	0.011	N/A
Speciociliatine	Report Results	0.387	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	2.24	w/w%	0.011	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 06JUN2024 | 1746

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 10	0.51	ug/day	0.030	PASS
Cadmium	NMT 4.1	<LOQ	ug/day	0.010	PASS
Lead	NMT 6.0	1.2	ug/day	0.010	PASS
Mercury	NMT 2.0	<LOQ	ug/day	0.010	PASS

Microbiological Examination

Method Code: T005

Tested: 04JUN2024 | 1119

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	1,267	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	40	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

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Additional Report Notes

T301 result, unit, and LOQ converted from ug/g to ug/day using a maximum permitted daily exposure of 5.0 g/day.

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
Name: Tyler West **Department:** Management
Date: 10JUN2024