

Certificate of Analysis



CUSTOMER INFORMATION

Client Name: NuWave Botanicals
 Attention: Chris Jepson
 Address: 26400 Kuykendahl Rd. Suite 180-123
 The Woodlands, Texas 77375
 Phone Number: (801) 706-1929

TESTING FACILITY

Cora Science, LLC
 8000 Anderson Square, STE 113
 Austin, Texas 78757
 (512) 856-5007
 info@corascience.com

SAMPLE IMAGE(S)



JOB / SAMPLE INFORMATION

Received: 27 DEC 2022
 Condition: Good
 Job ID: ISO01106
 Sample ID: I01275
 Sample Name: White Maeng Da
 (Lot 01-122122)
 Description: Powder plant material
 Completed: 29 DEC 2022
 Issued: 29 DEC 2022

TEST RESULT(S)

Mitragyna Alkaloids Assay (UHPLC-DAD)		Method Code:	T102	Tested:	27DEC2022	I 1716
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Mitragynine	Report Results	1.445	w/w%	0.030	N/A	
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.030	N/A	
Paynantheine	Report Results	0.273	w/w%	0.030	N/A	
Speciogynine	Report Results	0.182	w/w%	0.030	N/A	
Speciociliatine	Report Results	0.395	w/w%	0.030	N/A	
Total Mitragyna Alkaloids	Report Results	2.294	w/w%	0.030	N/A	

Elemental Impurities (ICP-MS)		Method Code:	EAM 4.8	Tested:	27DEC2022	I 2224
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Arsenic	NMT 1.0	0.110	ug/g	0.083	PASS	
Cadmium	NMT 1.0	<LOQ	ug/g	0.033	PASS	
Lead	NMT 1.0	0.210	ug/g	0.033	PASS	
Mercury	NMT 1.0	0.034	ug/g	0.033	PASS	

Microbiological Examination		Method Code:	T005	Tested:	27DEC2022	I 1230
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Total Aerobic Plate Count	10,000,000 CFU/gram	Not Detected	CFU/gram	20 CFU/gram	PASS	
Total Yeast & Mold	100,000 CFU/gram	Not Detected	CFU/gram	20 CFU/gram	PASS	
Total Coliforms	100,000 CFU/gram	Not Detected	CFU/gram	20 CFU/gram	PASS	
<i>Escherichia coli</i>	Not Detected in 10 grams	Not Detected	N/A	1 CFU/10 grams	PASS	
<i>Staphylococcus aureus</i>	Not Detected in 10 grams	Not Detected	N/A	1 CFU/10 grams	PASS	
<i>Salmonella</i>	Not Detected in 25 grams	Not Detected	N/A	1 CFU/25 grams	PASS	

ADDITIONAL REPORT NOTES

EAM 4.8 performed by a registered outsourcing facility.

REVISION HISTORY

rev00 Initial release.

This report has been authorized for release from Cora Science by:

Signature:		Department:	Management
Name:	Tyler West, Laboratory Director	Date:	29 DEC 2022

ABBREVIATIONS

ID: identification, **N/A:** not applicable, **LOQ:** limit of quantitation, **CFU:** colony forming units, **mg:** milligrams, **g:** grams, **ug:** micrograms, **mL:** milliliters, **ND:** not detected, **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