

# Certificate of Analysis



## CUSTOMER INFORMATION

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

## TESTING FACILITY

**Cora Science, LLC**  
 8000 Anderson Square, STE 113  
 Austin, Texas 78757  
 (512) 886-7886  
 info@corascience.com

## SAMPLE IMAGE(S)



## JOB / SAMPLE INFORMATION

Received: 03 AUG 2022  
 Condition: Good  
 Job ID: ISO01026  
 Sample ID: I01095  
 Sample Name: Green Malay  
 Lot 15-72222  
 Description: Finely ground plant material  
 Completed: 13 AUG 2022  
 Issued: 13 AUG 2022

## TEST RESULT(S)

Mitragyna Alkaloids Assay (UHPLC-DAD)		Method Code:	T102	Tested: 11AUG2022 / 1346	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.441	w/w%	0.01	N/A
7-Hydroxymitragynine	Report Results	0.093	w/w%	0.01	N/A
Paynantheine	Report Results	0.469	w/w%	0.01	N/A
Speciogynine	Report Results	0.170	w/w%	0.01	N/A
Speciociliatine	Report Results	0.318	w/w%	0.01	N/A
Total Mitragyna Alkaloids	Report Results	2.646	w/w%	0.01	N/A

Elemental Impurities (ICP-MS)		Method Code:	EAM 4.8	Tested: 10AUG2022 / 1717	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.0	<LOQ	ug/g	0.097	PASS
Cadmium	NMT 1.0	<LOQ	ug/g	0.039	PASS
Lead	NMT 1.0	0.290	ug/g	0.039	PASS
Mercury	NMT 1.0	0.055	ug/g	0.039	PASS

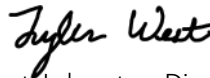
Microbiological Examination		Method Code:	T005	Tested: 11AUG2022 / 1410	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	Not Detected	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	Not Detected	CFU/gram	20 CFU/gram	PASS
Total Coliforms	100,000 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. Specifications provided by client.

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

Signature:



Department:

Management

Name:

Tyler West, Laboratory Director

Date:

13 AUG 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