

Certificate of Analysis



CUSTOMER INFORMATION

Client Name: Christopher's Organic Botanicals
 Attention: Christopher Deaney
 Address: 567 Salem Quinton Road, Suite C
 Salem, New Jersey 08079
 Phone Number: (856) 496-1810

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: 03 OCT 2022
 Condition: Good
 Job ID: ISO01052
 Sample ID: I01151
 Sample Name: Yellow Vietnam, Lot 151209
 Description: Crushed plant material
 Completed: 08 OCT 2022
 Issued: 10 OCT 2022

TEST RESULT(S)

Mitragyna Alkaloids Assay (UHPLC-DAD)		Method Code:	T102	Tested: 05OCT2022 / 1822	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.27	w/w%	0.014	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.014	N/A
Paynantheine	Report Results	0.30	w/w%	0.014	N/A
Speciogynine	Report Results	0.20	w/w%	0.014	N/A
Speciociliatine	Report Results	0.51	w/w%	0.014	N/A
Total Mitragyna Alkaloids	Report Results	2.28	w/w%	0.014	N/A

Elemental Impurities (ICP-MS)		Method Code:	EAM 4.8	Tested: 08OCT2022 / 1437	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.5	<LOQ	ug/g	0.094	PASS
Cadmium	NMT 0.5	<LOQ	ug/g	0.038	PASS
Lead	NMT 0.5	0.220	ug/g	0.038	PASS
Mercury	NMT 3.0	0.075	ug/g	0.038	PASS

Microbiological Examination		Method Code:	T005	Tested: 04OCT2022 / 1502	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	608,000	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	20	CFU/gram	20 CFU/gram	PASS
Total Coliforms	10,000 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.

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

Signature:		Department:	Management
Name:	Tyler West, Laboratory Director	Date:	10 OCT 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