

Certificate of Analysis



CUSTOMER INFORMATION

Client Name: Evolution Distro
 Address: Hallandale Beach, FL 33009
 Phone Number:

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: 10 JUL 2023
 Condition: Good
 Job ID: ISO01317
 Sample ID: I02003
 Sample Name: 0702
 Lot 0702
 Description: Liquid botanical extract
 Completed: 12 JUL 2023
 Issued: 12 JUL 2023

TEST RESULT(S)

Mitrargyna Alkaloids Assay (UHPLC-DAD)		Method Code:	T102	Tested: 12JUL2023 1518	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.14	w/w%	0.019	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.019	N/A
Paynantheine	Report Results	0.215	w/w%	0.019	N/A
Speciogynine	Report Results	0.191	w/w%	0.019	N/A
Speciociliatine	Report Results	0.309	w/w%	0.019	N/A
Total Mitrargyna Alkaloids	Report Results	1.86	w/w%	0.019	N/A

Mitrargyna Alkaloids Assay (UHPLC-DAD)		Method Code:	T102	Tested: 12JUL2023 1518	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	12.2	mg/mL	0.20	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/mL	0.20	N/A
Paynantheine	Report Results	2.29	mg/mL	0.20	N/A
Speciogynine	Report Results	2.04	mg/mL	0.20	N/A
Speciociliatine	Report Results	3.29	mg/mL	0.20	N/A
Total Mitrargyna Alkaloids	Report Results	19.8	mg/mL	0.20	N/A

Elemental Impurities (ICP-MS)		Method Code:	T301	Tested: 11JUL2023 1305	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 10 ug/day	<LOQ	ug/day	0.50	PASS
Cadmium	NMT 4.1 ug/day	<LOQ	ug/day	0.10	PASS
Lead	NMT 6 ug/day	0.95	ug/day	0.10	PASS
Mercury	NMT 2 ug/day	<LOQ	ug/day	0.10	PASS

Microbiological Examination		Method Code:	T005	Tested: 10JUL2023 1630	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	Not Detected	CFU/gram	10 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	Not Detected	CFU/gram	10 CFU/gram	PASS
Total Coliforms	10,000 CFU/gram	Not Detected	CFU/gram	10 CFU/gram	PASS
<i>Escherichia coli</i>	Not Detected in 5 grams	Not Detected	N/A	1 CFU/5 grams	PASS
<i>Salmonella</i>	Not Detected in 5 grams	Not Detected	N/A	1 CFU/5 grams	PASS

pH (Acidified Food)		Method Code:	T402	Tested: 12JUL2023 1112	
PARAMETER	RESULT	RANGE	NOTES		
pH	5.16	2 - 12	N/A		

ADDITIONAL REPORT NOTES

T102 result, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.066 g/mL. T301 performed by a registered outsourcing facility. T301 result, unit, and LOQ converted from ug/g to ug/day using client-specified maximum permitted daily exposure of 5.0 g/day.

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:

12 JUL 2023

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