

Certificate of Analysis



CUSTOMER INFORMATION

Client Name: Blue Diamond Herbs
 Attention: Luke DiDio
 Address: 8201 Arrowridge Blvd, STE 147
 Charlotte, NC 28273
 Phone Number: (910) 622-9179

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: 22 SEP 2022
 Condition: Good
 Job ID: ISO01046
 Sample ID: I01140
 Sample Name: Green Label Kratom
 Lot BDH111GL
 Description: Finely ground plant material
 Completed: 28 SEP 2022
 Issued: 28 SEP 2022

TEST RESULT(S)

Mitragyna Alkaloids Assay (UHPLC-DAD)		Method Code:	T102	Tested: 27SEP2022 / 0229	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.811	w/w%	0.01	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.01	N/A
Paynantheine	Report Results	0.427	w/w%	0.01	N/A
Speciogynine	Report Results	0.281	w/w%	0.01	N/A
Speciociliatine	Report Results	0.419	w/w%	0.01	N/A
Total Mitragyna Alkaloids	Report Results	2.935	w/w%	0.01	N/A

Elemental Impurities (ICP-MS)		Method Code:	EAM 4.8	Tested: 26SEP2022 / 1130	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.5	0.290	ug/g	0.091	PASS
Cadmium	NMT 0.5	<LOQ	ug/g	0.036	PASS
Lead	NMT 0.5	0.140	ug/g	0.036	PASS
Mercury	NMT 3.0	0.044	ug/g	0.036	PASS

Microbiological Examination		Method Code:	T005	Tested: 26SEP2022 / 1103	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	26,933	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	210	CFU/gram	20 CFU/gram	PASS
Total Coliforms	10,000 CFU/gram	1,720	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>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:	28 SEP 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