

December 20, 2021

**CHOICE BOTANICALS INC.**

4800 W 34th St  
Houston, TX 77092

Order No. 529767  
Sample No. 1105179

## SAMPLE INFORMATION

Description Powder Samples  
Lot Number CBP20211207W  
Category (Type) Non-Inhalable Plant (Kratom)  
Received December 14, 2021

## ANALYTICAL RESULTS

Analysis Alkaloid Profile  
Instrument Liquid Chromatography Diode Array Detector (LC-DAD)  
Method MF 12D030  
Analysis Date December 14, 2021 to December 20, 2021

Alkaloid	mg/g	%
Mitragynine	13.99	1.40
7-Hydroxymitragynine	ND	ND
Speciociliatine	3.86	0.39
<b>Total Alkaloids</b>	<b>17.85</b>	<b>1.78</b>

Reported by  
**Anresco, Inc.**



Cathy Cheng  
Senior Analyst

December 20, 2021

Limit of Detection: 0.04 mg/g  
Limit of Quantitation: 0.10 mg/g  
ND = None Detected  
<LOQ = Below Limit of Quantitation  
<LOD = Below Limit of Detection

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".

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### SAMPLE INFORMATION

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**Category (Type)** Non-Inhalable Plant (Kratom)  
**Received** December 14, 2021  
**Max Daily Intake (g)** 1

### ANALYTICAL RESULTS

**Analysis** Heavy Metals - Supplements ✔ Pass  
**Method** Inductively Coupled Plasma Mass Spectrometry (ICP-MS)  
**Analysis Date** December 14, 2021 to December 20, 2021

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Intake (µg/day)	Limit (µg/day)	Status
Mercury	0.02/0.05	0.02	0.02000	2	Pass
Lead	0.02/0.05	0.54	0.54000	10	Pass
Cadmium	0.02/0.05	0.02	0.02000	4.1	Pass
Arsenic	0.02/0.05	0.32	0.32000	10	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected




Cynthia Kushi  
Lab Co Director

December 20, 2021

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## ANALYTICAL RESULTS

**Analysis Date** December 14, 2021 to December 20, 2021

Findings	Analysis	Results	Method
	Coliforms	20 cfu/g	FDA BAM - ECC Agar
	E. coli	<10 cfu/g	FDA BAM - ECC Agar
	E. coli 0157:H7	Negative /25g	AOAC 996.09
	Yeast	<10 cfu/g	FDA BAM
	Mold	1,400 cfu/g	FDA BAM

Reported by  
**Anresco, Inc.**

  
  
Raquel Mendoza  
Microbiologist

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Received December 14, 2021

## ANALYTICAL RESULTS

Analysis Residual Solvent Screen ✔ Pass  
Instrument Gas Chromatography Mass Spectrometry (GC/MS)  
Method USP OVI<467>  
Analysis Date December 14, 2021 to December 20, 2021

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.2/0.5	ND	1	Pass
Acetone	67/200	ND	5000	Pass
Acetonitrile	67/200	ND	410	Pass
Benzene	0.2/0.5	ND	1	Pass
n-Butane	67/200	ND	5000	Pass
Chloroform	0.2/0.5	ND	1	Pass
Ethanol	67/200	ND	5000	Pass
Ethyl acetate	67/200	ND	5000	Pass
Ethyl ether	67/200	ND	5000	Pass
Ethylene oxide	0.2/0.5	ND	1	Pass
n-Heptane	67/200	ND	5000	Pass
n-Hexane	67/200	ND	290	Pass
Isopropyl alcohol	67/200	ND	5000	Pass
Methanol	67/200	ND	3000	Pass
Methylene chloride	0.2/0.5	ND	1	Pass
n-Pentane	67/200	ND	5000	Pass
Propane	67/200	ND	5000	Pass
Toluene	67/200	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	67/200	ND	2170	Pass
Trichloroethylene	0.2/0.5	ND	1	Pass

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ND = None Detected




Jordean Vargas  
Analyst

December 20, 2021

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