

CERTIFICATE OF ANALYSIS

SAMPLE NAME: GREEN ELEPHANT

SAMPLE CODE: KTM-230418-009

CLIENT: LEAD-BOTANICAL FAMILY

BATCH RESULT: N/A



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669

License #: AU-SC-000112



MATRIX NAME:

Kratom - Leaf Powder

SAMPLE TYPE:

Quality Assurance

RECEIVED DATE:

Tuesday, Apr 18, 2023

PUBLISHED DATE:

Friday, Apr 21, 2023

BATCH CODE:

BATCH SIZE:

5g

SAMPLE SIZE:

5g



LAB-TM-052

High Alkaloid Analysis
by UPLC



LAB-TM-047

Low Alkaloid Analysis
by LC-MS/MS

Handwritten signature of Leslie Varela in black ink.

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Friday, Apr 21, 2023

Handwritten signature of Douglas Smith in black ink.

RESULTS REVIEWED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Friday, Apr 21, 2023

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LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD

ALKU-KTM-230418-009-02 - TUESDAY, APR 18, 2023

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.878 %		N/A	0.5 ug/g	N/A
Paynantheine	0.182 %		N/A	0.5 ug/g	N/A
Speciociliatine	0.298 %		N/A	0.5 ug/g	N/A
Speciogynine	0.135 %		N/A	0.5 ug/g	N/A
Total Major Alkaloids	1.492 %		N/A	N/A	N/A

LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ

ALKL-KTM-230418-009-02 - TUESDAY, APR 18, 2023

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.003 %		N/A	N/A	N/A
Mitraphylline	0 %		N/A	N/A	N/A
Total Minor Alkaloids	0.003 %		N/A	N/A	N/A

