

CERTIFICATE OF ANALYSIS

SAMPLE NAME: KRATOM SELTZER - TANGERINE

SAMPLE CODE: DTS-240202-013

CLIENT: MITRA9-ZIA

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com

MATRIX NAME: Beverage
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Mon, Feb 5, 2024
PUBLISHED DATE: Thu, Feb 8, 2024
BATCH CODE: 31012024ZIA
BATCH SIZE: 0
SAMPLE SIZE: 355mL
AVERAGE UNIT WEIGHT: 348.92g (1 can)

TOTAL MAJOR ALKALOIDS 42.57 mg/serv

TOTAL MINOR ALKALOIDS ND

MITRAGYNINE 41.87 mg/serv



ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	TYMFD ✓ Total Yeast & Mold Plate
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RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Thursday, Feb 8, 2024

RESULTS CERTIFIED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Thu, Feb 8, 2024

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LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
 ALKU-DTS-240202-013-01 - FRI, FEB 2, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.012 %	41.87 mg	41.87 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.012 %	42.57 mg	42.57 mg	N/A			N/A
Paynantheine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A

LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
 ALKL-DTS-240202-013-01 - FRI, FEB 2, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	N/A	N/A	N/A	0.01 ug/kg	0.1 ug/kg	N/A

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
 TYMFD-DTS-240202-013-01 - FRI, FEB 2, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	<10 CFU/g	N/A			N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: KRATOM SELTZER - TROPICAL

SAMPLE CODE: DTS-240202-011

CLIENT: MITRA9-ZIA

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com

MATRIX NAME: Beverage
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Mon, Feb 5, 2024
PUBLISHED DATE: Thu, Feb 8, 2024
BATCH CODE: 29012024ZIA
BATCH SIZE: 0
SAMPLE SIZE: 355mL
AVERAGE UNIT WEIGHT: 362.48g (1 can)

TOTAL MAJOR ALKALOIDS 44.59 mg/serv

TOTAL MINOR ALKALOIDS ND

MITRAGYNINE 43.50 mg/serv



ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	TYMFD ✓ Total Yeast & Mold Plate
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RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Thursday, Feb 8, 2024

RESULTS CERTIFIED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Thu, Feb 8, 2024

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

ALKU-DTS-240202-011-02 - MON, FEB 5, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.012 %	43.50 mg	43.50 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.012 %	44.59 mg	44.59 mg	N/A			N/A
Paynantheine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A

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

ALKL-DTS-240202-011-01 - FRI, FEB 2, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	N/A	N/A	N/A	0.01 ug/kg	0.1 ug/kg	N/A

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS

TYMFD-DTS-240202-011-01 - FRI, FEB 2, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	<10 CFU/g	N/A			N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: KRATOM SELTZER - BERRY

SAMPLE CODE: DTS-240126-005

CLIENT: MITRA9-ZIA

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
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cambiumanalytica.com

MATRIX NAME: Beverage
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Mon, Jan 29, 2024
PUBLISHED DATE: Thu, Feb 1, 2024
BATCH CODE: 25012024ZIA
BATCH SIZE: 0
SAMPLE SIZE: 355mL
AVERAGE UNIT WEIGHT: 361.21g (1 can)

TOTAL MAJOR ALKALOIDS 48.40 mg/serv

TOTAL MINOR ALKALOIDS ND

MITRAGYNINE 43.71 mg/serv



ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	TYMFD ✓ Total Yeast & Mold Plate
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RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Thu, Feb 1, 2024

RESULTS CERTIFIED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Thu, Feb 1, 2024

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

ALKU-DTS-240126-005-01 - FRI, JAN 26, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	0.013 %	48.40 mg	48.40 mg	N/A			N/A
Mitragynine	0.012 %	43.71 mg	43.71 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.001 %	3.61 mg	3.61 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A

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

ALKL-DTS-240126-005-01 - FRI, JAN 26, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	N/A	N/A	N/A	0.01 ug/kg	0.1 ug/kg	N/A

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS

TYMFD-DTS-240126-005-01 - FRI, JAN 26, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	<10 CFU/g	N/A			N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: KRATOM SELTZER - BLACK CHERRY

SAMPLE CODE: DTS-240126-002

CLIENT: MITRA9-ZIA

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
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MATRIX NAME: Beverage
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Mon, Jan 29, 2024
PUBLISHED DATE: Thu, Feb 1, 2024
BATCH CODE: 19012024ZIA
BATCH SIZE: 0
SAMPLE SIZE: 355mL
AVERAGE UNIT WEIGHT: 352.57g (1 can)

TOTAL MAJOR ALKALOIDS 47.24 mg/serv

TOTAL MINOR ALKALOIDS ND

MITRAGYNINE 42.66 mg/serv

ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	TYMFD ✓ Total Yeast & Mold Plate
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RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Thu, Feb 1, 2024

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Thu, Feb 1, 2024

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LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
 ALKU-DTS-240126-002-01 - FRI, JAN 26, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	0.013 %	47.24 mg	47.24 mg	N/A			N/A
Mitragynine	0.012 %	42.66 mg	42.66 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.001 %	3.53 mg	3.53 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A

LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
 ALKL-DTS-240126-002-01 - FRI, JAN 26, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	N/A	N/A	N/A	0.01 ug/kg	0.1 ug/kg	N/A

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
 TYMFD-DTS-240126-002-01 - FRI, JAN 26, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	<10 CFU/g	N/A			N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: KRATOM SELTZER - DRAGON FRUIT

SAMPLE CODE: DTS-231117-011

CLIENT: MITRA9-ZIA

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
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MATRIX NAME:

Beverage

SAMPLE TYPE:

Quality Assurance

RECEIVED DATE:

Mon Nov 20 2023 11:24:45 GMT-0500

(Eastern Standard Time)

PUBLISHED DATE:

Tuesday, Nov 28, 2023

BATCH CODE:

07112023ZIA

BATCH SIZE:

0

SAMPLE SIZE:

710mL

AVERAGE UNIT WEIGHT:

359.62g



LAB-TM-052

Kratom Alkaloids - High
Level



LAB-TM-047

Kratom Alkaloids - Low
Level

Handwritten signature of Leslie Varela in black ink.

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Tuesday, Nov 28, 2023

Handwritten signature of Douglas Smith in black ink.

RESULTS REVIEWED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Tuesday, Nov 28, 2023

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LAB-TM-052 - DETERMINATION OF KRATOM A...

ALKU-DTS-231117-011-01 - FRIDAY, NOV 17, 2023

ANALYTE	VALUE	VALUE (PER SERVING)	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.012 %	41.356 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.012 %	43.154 mg	N/A			N/A
Paynantheine	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A

LAB-TM-047 - DETERMINATION OF KRATOM A...

ALKL-DTS-231117-011-01 - FRIDAY, NOV 17, 2023



ANALYTE	VALUE	VALUE (PER SERVING)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	N/A	N/A	0.01 ug/kg	0.1 ug/kg	N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: KRATOM SELTZER - DRAGON FRUIT

SAMPLE CODE: DTS-231117-007

CLIENT: MITRA9-ZIA

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com



MATRIX NAME:

Beverage

SAMPLE TYPE:

Quality Assurance

RECEIVED DATE:

Mon Nov 20 2023 11:24:45 GMT-0500

(Eastern Standard Time)

PUBLISHED DATE:

Tuesday, Nov 28, 2023

BATCH CODE:

08112023ZIA

BATCH SIZE:

0

SAMPLE SIZE:

710mL

AVERAGE UNIT WEIGHT:

363g



LAB-TM-052

Kratom Alkaloids - High
Level



LAB-TM-047

Kratom Alkaloids - Low
Level

Handwritten signature of Leslie Varela in black ink.

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Tuesday, Nov 28, 2023

Handwritten signature of Douglas Smith in black ink.

RESULTS REVIEWED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Tuesday, Nov 28, 2023

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LAB-TM-052 - DETERMINATION OF KRATOM A...

ALKU-DTS-231117-007-01 - FRIDAY, NOV 17, 2023

ANALYTE	VALUE	VALUE (PER SERVING)	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	0.012 %	42.471 mg	N/A			N/A
Mitragynine	0.011 %	41.019 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A

LAB-TM-047 - DETERMINATION OF KRATOM A...

ALKL-DTS-231117-007-01 - FRIDAY, NOV 17, 2023



ANALYTE	VALUE	VALUE (PER SERVING)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	N/A	N/A	0.01 ug/kg	0.1 ug/kg	N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: KRATOM SELTZER - RASPBERRY LIME

SAMPLE CODE: DTS-240112-012

CLIENT: MITRA9-ZIA

BATCH RESULT: N/A



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com



MATRIX NAME:

Beverage

SAMPLE TYPE:

Quality Assurance

RECEIVED DATE:

Mon, Jan 22, 2024

PUBLISHED DATE:

Thu, Jan 25, 2024

BATCH CODE:

27122023ZIA

BATCH SIZE:

N/A

SAMPLE SIZE:

355 mL

AVERAGE UNIT WEIGHT:

364.25 g (1 can)



LAB-TM-052

Kratom Alkaloids - High Level



LAB-TM-047

Kratom Alkaloids - Low Level



LAB-TM-061

Total Yeast & Mold - Plate

Handwritten signature of Leslie Varela in black ink.

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Thu, Jan 25, 2024

Handwritten signature of Douglas Smith in black ink.

RESULTS CERTIFIED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Thu, Jan 25, 2024

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LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD

ALKU-DTS-240112-012-01 - Fri, Jan 12, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	0.012 %	43.35 mg	43.35 mg	N/A	N/A	N/A	N/A
Mitragynine	0.012 %	41.89 mg	41.89 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0 %	1.09 mg	1.09 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0 %	0.36 mg	0.36 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	ND	ND	N/A	0.3 ug/g	0.5 ug/g	N/A

LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ

ALKL-DTS-240112-012-01 - Fri, Jan 12, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0 %	0.05 mg	0.05 mg	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	0 %	0.05 mg	0.05 mg	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A

LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements

TYMFD-DTS-240112-012-01 - Fri, Jan 12, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	<10	N/A	N/A	N/A	N/A