

CERTIFICATE OF ANALYSIS

SAMPLE NAME: MITRA9 - GOPAK RASPBERRY LIME

SAMPLE CODE: DTS-240202-005

CLIENT: MITRA9

BATCH RESULT: PASS



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



MATRIX NAME: Powder
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Tue, Feb 6, 2024
PUBLISHED DATE: Fri, Feb 9, 2024
BATCH CODE: GP24024BD
BATCH SIZE: 0
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 3.5688g (1 packet)

TOTAL MAJOR ALKALOIDS 39.00 mg/serv

TOTAL MINOR ALKALOIDS ND

MITRAGYNINE 35.94 mg/serv

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

TYMFD ✓
Total Yeast & Mold
Plate

HPMET ✓
Heavy Metals
7

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Friday, Feb 9, 2024

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Fri, Feb 9, 2024

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LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
 ALKU-DTS-240202-005-01 - FRI, FEB 2, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	1.093 %	39.00 mg	39.00 mg	N/A			N/A
Mitragynine	1.007 %	35.94 mg	35.94 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.055 %	1.97 mg	1.97 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.030 %	1.07 mg	1.07 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-240202-005-01 - 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
Mitraphylline	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

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
 TYMFD-DTS-240202-005-01 - FRI, FEB 2, 2024

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

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
 HPMET-DTS-240202-005-01 - FRI, FEB 2, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.041 ug/g	N/A	0.1985 ug/kg	0.6616 ug/kg	N/A
Cadmium	ND	N/A	0.0817 ug/kg	0.2724 ug/kg	N/A
Chromium	0.461 ug/g	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	0.358 ug/g	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	0.020 ug/g	N/A	0.2817 ug/kg	0.2817 ug/kg	N/A
Mercury	0.002 ug/g	N/A	0.0171 ug/kg	0.0571 ug/kg	N/A
Nickel	0.081 ug/g	N/A	0.3213 ug/kg	1.0709 ug/kg	N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: MITRA9 - GOPAK TANGERINE

SAMPLE CODE: DTS-240202-003

CLIENT: MITRA9

BATCH RESULT: PASS



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MATRIX NAME: Powder
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Tue, Feb 6, 2024
PUBLISHED DATE:
BATCH CODE: GP23354BD
BATCH SIZE: 0
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 3.7215g (1 packet)

TOTAL MAJOR ALKALOIDS 41.44 mg/serv

TOTAL MINOR ALKALOIDS ND

MITRAGYNNINE 38.38 mg/serv

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

TYMFD ✓
Total Yeast & Mold
Plate

HPMET ✓
Heavy Metals
7

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica

RESULTS CERTIFIED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica

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

ALKU-DTS-240202-003-01 - FRI, FEB 2, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	1.114 %	41.44 mg	41.44 mg	N/A			N/A
Mitragynine	1.031 %	38.38 mg	38.38 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.052 %	1.95 mg	1.95 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.030 %	1.11 mg	1.11 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-240202-003-01 - 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
Mitraphylline	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

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

TYMFD-DTS-240202-003-01 - FRI, FEB 2, 2024

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

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS

HPMET-DTS-240202-003-01 - FRI, FEB 2, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.034 ug/g	N/A	0.1985 ug/kg	0.6616 ug/kg	N/A
Cadmium	0.001 ug/g	N/A	0.0817 ug/kg	0.2724 ug/kg	N/A
Chromium	0.184 ug/g	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	0.068 ug/g	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	0.033 ug/g	N/A	0.2817 ug/kg	0.2817 ug/kg	N/A
Mercury	0.004 ug/g	N/A	0.0171 ug/kg	0.0571 ug/kg	N/A
Nickel	0.043 ug/g	N/A	0.3213 ug/kg	1.0709 ug/kg	N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: MITRA9 - GOPAK WATERMELON

SAMPLE CODE: DTS-240202-006

CLIENT: MITRA9

BATCH RESULT: PASS



1230 Woodmere Ave
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MATRIX NAME: Powder
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Tue, Feb 6, 2024
PUBLISHED DATE: Fri, Feb 9, 2024
BATCH CODE: GP24024BD
BATCH SIZE: 0
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 3.5021g (1 packet)

TOTAL MAJOR ALKALOIDS 36.98 mg/serv

TOTAL MINOR ALKALOIDS ND

MITRAGYNINE 34.11 mg/serv

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

TYMFD ✓
Total Yeast & Mold
Plate

HPMET ✓
Heavy Metals
7

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Laboratory Director
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RESULTS CERTIFIED BY: Douglas Smith

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Cambium Analytica
Fri, Feb 9, 2024

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

ALKU-DTS-240202-006-01 - FRI, FEB 2, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	1.056 %	36.98 mg	36.98 mg	N/A			N/A
Mitragynine	0.974 %	34.11 mg	34.11 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.053 %	1.85 mg	1.85 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.029 %	1.01 mg	1.01 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-240202-006-01 - 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
Mitraphylline	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

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

TYMFD-DTS-240202-006-01 - FRI, FEB 2, 2024

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

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS

HPMET-DTS-240202-006-01 - FRI, FEB 2, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.058 ug/g	N/A	0.1985 ug/kg	0.6616 ug/kg	N/A
Cadmium	0.002 ug/g	N/A	0.0817 ug/kg	0.2724 ug/kg	N/A
Chromium	0.212 ug/g	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	0.080 ug/g	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	0.093 ug/g	N/A	0.2817 ug/kg	0.2817 ug/kg	N/A
Mercury	0.002 ug/g	N/A	0.0171 ug/kg	0.0571 ug/kg	N/A
Nickel	0.051 ug/g	N/A	0.3213 ug/kg	1.0709 ug/kg	N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: MITRA9 - GOPAK BLACK CHERRY

SAMPLE CODE: DTS-240202-004

CLIENT: MITRA9

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
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MATRIX NAME: Powder
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Tue, Feb 6, 2024
PUBLISHED DATE: Fri, Feb 9, 2024
BATCH CODE: GP24009BD
BATCH SIZE: 0
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 3.3382g (1 packet)

TOTAL MAJOR ALKALOIDS 42.69 mg/serv

TOTAL MINOR ALKALOIDS ND

MITRAGYNINE 39.39 mg/serv

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

TYMFD ✓
Total Yeast & Mold
Plate

HPMET ✓
Heavy Metals
7

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Fri, Feb 9, 2024

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LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
 ALKU-DTS-240202-004-01 - FRI, FEB 2, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	1.279 %	42.69 mg	42.69 mg	N/A			N/A
Mitragynine	1.18 %	39.39 mg	39.39 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.064 %	2.14 mg	2.14 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.035 %	1.16 mg	1.16 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-240202-004-01 - 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
Mitraphylline	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

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
 TYMFD-DTS-240202-004-01 - FRI, FEB 2, 2024

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

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
 HPMET-DTS-240202-004-01 - FRI, FEB 2, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.048 ug/g	N/A	0.1985 ug/kg	0.6616 ug/kg	N/A
Cadmium	ND	N/A	0.0817 ug/kg	0.2724 ug/kg	N/A
Chromium	0.152 ug/g	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	0.094 ug/g	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	0.110 ug/g	N/A	0.2817 ug/kg	0.2817 ug/kg	N/A
Mercury	0.003 ug/g	N/A	0.0171 ug/kg	0.0571 ug/kg	N/A
Nickel	0.040 ug/g	N/A	0.3213 ug/kg	1.0709 ug/kg	N/A

