Certificate of Analysis

Sample Name: Magic Dose Rocket Pop
Client: Magic Dose/Burma
Sample Code: DTS-260616-044
Matrix Name: Beverage & Liquid - Beverage
Type / Result: Quality Assurance - Pass

cambium analytica
an NSF company

Received Date: Tue, Jun 30, 2026
Published Date: Mon, Jul 6, 2026
Batch/Lot Code: MDRP-004
Batch Size: N/A
Sample Size: 2U
Average Unit Weight: 355mL (1 can)

RESULT SUMMARY

Total Kavalactones and Kavains	174.60 mg /serv
Total Kavalactones	167.43 mg /serv
Total Flavokavains	7.17 mg /serv
Mitragynine	31.15 mg /serv
Total Major Alkaloids	31.15 mg /serv

KAVAL ✓
Kavalactones & Kavains

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

SAL ✓
Salmonella spp.
qPCR

ECOLI ✓
Total Coliforms & E. coli
Plate

TAMC ✓
Total Aerobic Bacteria
Plate

FOROM ✓
Foreign Organic Matter

HVMET ✓
Heavy Metals
Big 4

TYMFD ✓
Total Yeast & Mold
Plate

SOLHM ✓
Residual Solvents
National Panel

7OHFL ✓
7–Hydroxymitragynine
Florida

Approvals

RESULTS REVIEWED BY:

Leslie Nagy
Laboratory Director
Cambium Analytica
Monday, Jul 6, 2026

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Monday, Jul 6, 2026

Lab Information

Address: 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157

KAVAL

Kavalactones & Kavains

LAB-TM-067 - Determination of Kavalactones & Kavains by LC-DAD
KAVAL-DTS-260616-044-01 - MON, JUL 6, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Kavain	0.0138 %	0.1384 mg/g	49.13 mg	49.13 mg	N/A	0.0010 mg/g	0.0020 mg/g	N/A
Dihydrokavain	0.0127 %	0.1267 mg/g	44.97 mg	44.97 mg	N/A	0.0010 mg/g	0.0020 mg/g	N/A
Desmethoxyyangonin	0.0063 %	0.0628 mg/g	22.28 mg	22.28 mg	N/A	0.0010 mg/g	0.0020 mg/g	N/A
Methysticin	0.0054 %	0.0536 mg/g	19.04 mg	19.04 mg	N/A	0.0010 mg/g	0.0020 mg/g	N/A
Dihydromethysticin	0.0051 %	0.0510 mg/g	18.11 mg	18.11 mg	N/A	0.0010 mg/g	0.0020 mg/g	N/A
Yangonin	0.0039 %	0.0391 mg/g	13.89 mg	13.89 mg	N/A	0.0010 mg/g	0.0020 mg/g	N/A
Flavokavain B	0.0012 %	0.0123 mg/g	4.36 mg	4.36 mg	N/A	9.998560207330145e-0 mg/g	0.0002 mg/g	N/A
Flavokavain A	0.0007 %	0.0074 mg/g	2.64 mg	2.64 mg	N/A	9.998560207330145e-0 mg/g	0.0002 mg/g	N/A
Flavokavain C	0.000 %	0.000 mg/g	0.17 mg	0.17 mg	N/A	9.998560207330145e-0 mg/g	0.000 mg/g	N/A
Total Kavalactones and Kavains *	0.0492 %	0.4918 mg/g	174.60 mg	174.60 mg	N/A	N/A	N/A	N/A
Total Kavalactones *	0.0472 %	0.4716 mg/g	167.43 mg	167.43 mg	N/A	N/A	N/A	N/A
Total Flavokavains *	0.0020 %	0.0202 mg/g	7.17 mg	7.17 mg	N/A	N/A	N/A	N/A

**Total Kavalactones and Kavains is calculated as the sum of all quantified kavalactones and kavains.*
**Total Kavalactones is calculated as the sum of all quantified kavalactones.*
**Total Flavokavains is calculated as the sum of all quantified flavokavains.*

ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-260616-044-01 - THU, JUL 2, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.0088 %	0.0878 mg/g	31.15 mg	31.15 mg	N/A	0.0050 mg/g	0.0099 mg/g	N/A
Paynantheine	ND	N/A	N/A	N/A	N/A	0.0050 mg/g	0.0099 mg/g	N/A
Speciociliatine	ND	N/A	N/A	N/A	N/A	0.0050 mg/g	0.0099 mg/g	N/A
Speciogynine	ND	N/A	N/A	N/A	N/A	0.0050 mg/g	0.0099 mg/g	N/A
Total Major Alkaloids *	0.0088 %	0.0878 mg/g	31.15 mg	31.15 mg	N/A	N/A	N/A	N/A

**Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.*

ALKL

Kratom Alkaloids - Low Level

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

ALKL-DTS-260616-044-01 - SUN, JUL 5, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00017 %	0.00168 mg/g	0.60 mg	0.60 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	ND	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids *	0.00017 %	0.00168 mg/g	0.60 mg	0.60 mg	N/A	N/A	N/A	N/A

**Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.*

SAL

Salmonella spp. - qPCR - 25g

LAB-TM-063 - Qualitative Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements

SAL-DTS-260616-044-01 - THU, JUL 2, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella spp.	ND /25 g	N/A	N/A	N/A	N/A

USP <62> - Vendor Modified, USP <2022> - Vendor Modified, USP <1223>, AOAC PTM 121802, AOAC OMA 2020.02

ECOLI

Total Coliforms & E. coli - Plate - 25g - Full Range

LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements

ECOLI-DTS-260616-044-01 - THU, JUL 2, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
E. coli	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Coliforms	ND	N/A	10 CFU/g	10 CFU/g	N/A

USP <61> - Vendor Modified, USP <2021> - Vendor Modified, USP <1223>, AOAC PTM 051801, AOAC OMA 2018.13

Testing was conducted on a 25.13 gram aliquot

TAMC

Total Aerobic Bacteria - Plate - 25g - Full Range

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements

TAMC-DTS-260616-044-01 - THU, JUL 2, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	10 CFU/g	N/A	10 CFU/g	10 CFU/g	N/A

USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121403, AOAC OMA 2015.13

Testing was conducted on a 25.13 gram aliquot

FOROM

Foreign Organic Matter

LAB-TM-007 - Foreign Matter and Filth Analysis

FOROM-DTS-260616-044-01 - THU, JUL 2, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Inorganic Matter	0.000 %	N/A	N/A	N/A	N/A
Organic Matter	0.000 %	N/A	N/A	N/A	N/A

HVMET

Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-DTS-260616-044-01 - THU, JUL 2, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	ND	N/A	N/A	N/A	N/A	8.736 ug/kg	24.267 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	1.747 ug/kg	6.067 ug/kg	N/A
Lead	ND	N/A	N/A	N/A	N/A	1.068 ug/kg	6.067 ug/kg	N/A
Mercury	ND	N/A	N/A	N/A	N/A	0.340 ug/kg	0.607 ug/kg	N/A

USP <233>, USP <730>, USP <1730>

TYMFD

Total Yeast & Mold - Plate - 25g - Full Range

LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements
TYMFD-DTS-260616-044-01 - MON, JUL 6, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast and Mold *	0 CFU/g	N/A	N/A	N/A	N/A

**Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold*

USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121301, AOAC OMA 2014.05

Testing was conducted on a 25.13 gram aliquot

SOLHM

Residual Solvents - National Panel

ANA-TM-053 - Determination of Residual Solvents
SOLHM-DTS-260616-044-01 - THU, JUL 2, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
1,1-Dichloroethene	ND	N/A	5 ug/g	10 ug/g	N/A
1,2-Dichloroethane	ND	N/A	0.5 ug/g	1.00 ug/g	N/A
2-Methylbutane	ND	N/A	5 ug/g	10 ug/g	N/A
2-Methylpentane	ND	N/A	5 ug/g	10 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	5 ug/g	10 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	5 ug/g	10 ug/g	N/A
3-Methylpentane	ND	N/A	5 ug/g	10 ug/g	N/A
Acetone	ND	N/A	5 ug/g	10 ug/g	N/A
Acetonitrile	ND	N/A	5 ug/g	10 ug/g	N/A
Benzene	ND	N/A	0.18 ug/g	0.50 ug/g	N/A
Butane	ND	N/A	5 ug/g	10 ug/g	N/A
Chloroform	ND	N/A	0.78 ug/g	1 ug/g	N/A
Ethanol	ND	N/A	5 ug/g	10 ug/g	N/A
Ethyl Acetate	ND	N/A	5 ug/g	10 ug/g	N/A
Ethyl Ether	ND	N/A	5 ug/g	10 ug/g	N/A
Ethylene Oxide	ND	N/A	2 ug/g	4 ug/g	N/A
Heptane	ND	N/A	5 ug/g	10 ug/g	N/A
Hexane	ND	N/A	5 ug/g	10 ug/g	N/A
Isobutane	ND	N/A	5 ug/g	10 ug/g	N/A
Isopropyl Alcohol	ND	N/A	5 ug/g	10 ug/g	N/A
Methanol	ND	N/A	5 ug/g	10 ug/g	N/A
Methylene Chloride	ND	N/A	5 ug/g	10 ug/g	N/A
Neopentane	ND	N/A	5 ug/g	10 ug/g	N/A
Pentane	ND	N/A	5 ug/g	10 ug/g	N/A
Propane	ND	N/A	5 ug/g	10 ug/g	N/A
Toluene	ND	N/A	5 ug/g	10 ug/g	N/A
Total Xylenes	ND	N/A	5 ug/g	10 ug/g	N/A
Trichloroethylene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Total Butanes *	0.000 ug/g	N/A	N/A	N/A	N/A
Total Hexanes *	0.000 ug/g	N/A	N/A	N/A	N/A
Total Pentanes *	0.000 ug/g	N/A	N/A	N/A	N/A

**Total Butanes is calculated as the sum of Butane and Isobutane*
**Total Hexanes is calculated as the sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane.*
**Total Pentanes is calculated as the sum of Pentane, 2-Methylbutane, and Neopentane.*

Modified USP <467>

7OHFL

7–Hydroxymitragynine - Florida - Dry–Weight Basis

7–Hydroxymitragynine - (Florida — Dry–Weight Basis)
7OHFL-DTS-260616-044-01 - SUN, JUL 5, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Moisture (%) by Input *	98.710 %	N/A	N/A	N/A	N/A
7-Hydroxymitragynine - As Received *	1.68 ppm	N/A	N/A	N/A	N/A
7-Hydroxymitragynine - Dry-Weight *	130.02 ppm	400 ppm	N/A	N/A	PASS

**The Moisture (%) by Input result may represent either a client-provided input or a value measured by Cambium. This value is incorporated into associated calculated analytes for reporting purposes.*

**7-Hydroxymitragynine – As Received: The "As Received" value represents the concentration of 7-hydroxymitragynine, expressed in parts per million (ppm), as reported in the Kratom Alkaloids – Low Level test. This corresponds to the measured percentage of 7-hydroxymitragynine in the sample as received.*

**7-Hydroxymitragynine (Dry-Weight Basis): The dry weight concentration of 7-hydroxymitragynine is calculated using the following formula: Dry Weight 7-Hydroxymitragynine (ppm) = 7-Hydroxymitragynine (ppm) x (100 / (100 – Moisture by Input (%)))*