

Certificate of Analysis

Sample Name: Magic Dose Black Cherry
Client: Magic Dose/Burma
Sample Code: DTS-260616-045
Matrix Name: Beverage & Liquid - Beverage
Type / Result: Quality Assurance - Pass



Received Date: Tue, Jun 30, 2026
Published Date: Mon, Jul 6, 2026
Batch/Lot Code: MDBC-004
Batch Size: N/A
Sample Size: 3U
Average Unit Weight: 355mL (1 can.)

RESULT SUMMARY	
Total Kavalactones and Kavains	180.74 mg /serv
Total Kavalactones	173.30 mg /serv
Total Flavokavains	7.43 mg /serv
Mitragynine	31.20 mg /serv
Total Major Alkaloids	31.20 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:			RESULTS CERTIFIED BY:		
	Leslie Nagy Laboratory Director	Cambium Analytica Monday, Jul 6, 2026		Douglas Smith VP - Scientific Operations	Cambium Analytica Monday, Jul 6, 2026
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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-260616-045-01 - MON, JUL 6, 2026



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Kavain	0.0142 %	0.1416 mg/g	50.28 mg	50.28 mg	N/A	0.0010 mg/g	0.0020 mg/g	N / A
Dihydrokavain	0.0129 %	0.1291 mg/g	45.82 mg	45.82 mg	N/A	0.0010 mg/g	0.0020 mg/g	N / A
Desmethoxyyangonin	0.0065 %	0.0648 mg/g	22.99 mg	22.99 mg	N/A	0.0010 mg/g	0.0020 mg/g	N / A
Methysticin	0.0056 %	0.0560 mg/g	19.87 mg	19.87 mg	N/A	0.0010 mg/g	0.0020 mg/g	N / A
Dihydromethysticin	0.0052 %	0.0525 mg/g	18.63 mg	18.63 mg	N/A	0.0010 mg/g	0.0020 mg/g	N / A
Yangonin	0.0044 %	0.0442 mg/g	15.71 mg	15.71 mg	N/A	0.0010 mg/g	0.0020 mg/g	N / A
Flavokavain B	0.0013 %	0.0128 mg/g	4.53 mg	4.53 mg	N/A	0.0001 mg/g	0.0002 mg/g	N / A
Flavokavain A	0.0008 %	0.0077 mg/g	2.73 mg	2.73 mg	N/A	0.0001 mg/g	0.0002 mg/g	N / A
Flavokavain C	0.000 %	0.000 mg/g	0.17 mg	0.17 mg	N/A	0.000 mg/g	0.000 mg/g	N / A
Total Kavalactones and Kavains *	0.0509 %	0.5091 mg/g	180.74 mg	180.74 mg	N/A	N/A	N/A	N / A
Total Kavalactones *	0.0488 %	0.4882 mg/g	173.30 mg	173.30 mg	N/A	N/A	N/A	N / A
Total Flavokavains *	0.0021 %	0.0209 mg/g	7.43 mg	7.43 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-260616-045-01 - THU, JUL 2, 2026



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.0088 %	0.0879 mg/g	31.20 mg	31.20 mg	N/A	0.0051 mg/g	0.0102 mg/g	N / A
Paynantheine	ND	N/A	N/A	N/A	N/A	0.0051 mg/g	0.0102 mg/g	N / A
Speciociliatine	ND	N/A	N/A	N/A	N/A	0.0051 mg/g	0.0102 mg/g	N / A
Speciogynine	ND	N/A	N/A	N/A	N/A	0.0051 mg/g	0.0102 mg/g	N / A
Total Major Alkaloids *	0.0088 %	0.0879 mg/g	31.20 mg	31.20 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-260616-045-01 - SUN, JUL 5, 2026



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00017 %	0.00172 mg/g	0.61 mg	0.61 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 %	0.00172 mg/g	0.61 mg	0.61 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-260616-045-01 - 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-260616-045-01 - 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 26.83 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-260616-045-01 - THU, JUL 2, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	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 26.83 gram aliquot

FOROM

Foreign Organic Matter

LAB-TM-007 - Foreign Matter and Filth Analysis

FOROM-DTS-260616-045-01 - 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-260616-045-01 - 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	9.084 ug/kg	25.232 ug/kg	N / A
Cadmium	ND	N/A	N/A	N/A	N/A	1.817 ug/kg	6.308 ug/kg	N / A
Lead	ND	N/A	N/A	N/A	N/A	1.110 ug/kg	6.308 ug/kg	N / A
Mercury	ND	N/A	N/A	N/A	N/A	0.353 ug/kg	0.631 ug/kg	N / A

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



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 26.83 gram aliquot





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	5411.440 ug/g	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-260616-045-01 - SUN, JUL 5, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Moisture (%) by Input *	98.400 %	N/A	N/A	N/A	N / A
7-Hydroxymitragynine - As Received *	1.72 ppm	N/A	N/A	N/A	N / A
7-Hydroxymitragynine - Dry-Weight *	107.63 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: $\text{Dry Weight 7-Hydroxymitragynine (ppm)} = \frac{\text{7-Hydroxymitragynine (ppm)} \times (100 / (100 - \text{Moisture by Input (\%))})$

