

Certificate of Analysis



Sample Name: Flow State BPR 0551-02-009
Client: Pure Infinity Botanicals
Sample Code: DTS-260112-011
Matrix Name: Emulsion - Liquid
Type / Result: N/A - Pass



Received Date: Tue, Jan 13, 2026
Published Date: Tue, Jan 20, 2026
Batch/Lot Code: 260090551D,
260080551A/B/C
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 63.018g (Density (g/mL) x
60mL package. 2
servings/package.)

RESULT SUMMARY

Total Kavalactones and Kavains	144.21 mg /serv
Total Kavalactones	139.77 mg /serv
Total Flavokavains	4.44 mg /serv
Mitragynine	26.81 mg /serv
Total Major Alkaloids	26.81 mg /serv

KAVAL ✓
Kavalactones & Kavains

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

TAMC ✓
Total Aerobic Bacteria
Plate

DEN ✓
Density of Liquids

HVMET ✓
Heavy Metals
Big 4

TYMFD ✓
Total Yeast & Mold
Plate

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Tuesday, Jan 20, 2026

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Tuesday, Jan 20, 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 & KavainsLAB-TM-067 - Determination of Kavalactones & Kavains by LC-DAD
KAVAL-DTS-260112-011-05 - TUE, JAN 20, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Dihydrokavain	0.1111 %	1.1107 mg/g	35.00 mg	69.99 mg	N/A	0.25 ug/g	1 ug/g	N/A
Kavain	0.1086 %	1.0865 mg/g	34.23 mg	68.47 mg	N/A	0.25 ug/g	1 ug/g	N/A
Yangonin	0.0701 %	0.7010 mg/g	22.09 mg	44.18 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydromethysticin	0.0637 %	0.6366 mg/g	20.06 mg	40.11 mg	N/A	0.25 ug/g	1 ug/g	N/A
Methysticin	0.0469 %	0.4692 mg/g	14.78 mg	29.57 mg	N/A	0.25 ug/g	1 ug/g	N/A
Desmethoxyyangonin	0.0432 %	0.4318 mg/g	13.60 mg	27.21 mg	N/A	0.25 ug/g	1 ug/g	N/A
Flavokavain B	0.0098 %	0.0984 mg/g	3.10 mg	6.20 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Flavokavain A	0.0043 %	0.0425 mg/g	1.34 mg	2.68 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Total Kavalactones and Kavains*	0.4577 %	4.5768 mg/g	144.21 mg	288.42 mg	N/A	N/A	N/A	N/A
Total Kavalactones*	0.4436 %	4.4358 mg/g	139.77 mg	279.54 mg	N/A	N/A	N/A	N/A
Total Flavokavains*	0.0141 %	0.1409 mg/g	4.44 mg	8.88 mg	N/A	N/A	N/A	N/A

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

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*Total Flavokavains is calculated as the sum of Flavokavain A, Flavokavain B and Flavokavain C.

ALKU

Kratom Alkaloids - High LevelLAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-260112-011-01 - MON, JAN 19, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.0851 %	0.8509 mg/g	26.81 mg	53.62 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	ND	N/A	N/A	N/A	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	N/A	N/A	N/A	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	ND	N/A	N/A	N/A	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	0.0851 %	0.8509 mg/g	26.81 mg	53.62 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 LevelLAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-260112-011-01 - FRI, JAN 16, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00004 %	0.00041 mg/g	0.01 mg	0.03 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*	0.00004 %	0.00041 mg/g	0.01 mg	0.03 mg	N/A	N/A	N/A	N/A

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

TAMC

Total Aerobic Bacteria - Plate - 25g - Full RangeLAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements
TAMC-DTS-260112-011-01 - THU, JAN 15, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	10000 CFU/g	10 CFU/g	10 CFU/g	PASS

DEN

Density of LiquidsLAB-TM-017 - Brix & Density Analysis
DEN-DTS-260112-011-01 - WED, JAN 14, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0503 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0522	N/A	N/A	N/A	N/A

*Specific gravity is calculated using the density of water at 20 °C (0.9982 g/mL) using the equation:

[Specific Gravity = (Density of sample in g/mL) ÷ 0.9982 g/mL]

HVMET

Heavy Metals - Big 4LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-DTS-260112-011-01 - THU, JAN 15, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.055 ug/g	0.000 mg/g	1.74 ug	3.48 ug	15 ug/serv	0.509 ug/kg	2.062 ug/kg	PASS
Cadmium	0.001 ug/g	0.000 mg/g	0.03 ug	0.05 ug	5 ug/serv	0.256 ug/kg	0.509 ug/kg	PASS
Lead	0.002 ug/g	0.000 mg/g	0.06 ug	0.12 ug	5 ug/serv	0.255 ug/kg	0.515 ug/kg	PASS
Mercury	0.002 ug/g	0.000 mg/g	0.06 ug	0.12 ug	30 ug/serv	0.025 ug/kg	0.057 ug/kg	PASS

TYMFD

Total Yeast & Mold - Plate - 25g - Full RangeLAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements
TYMFD-DTS-260112-011-01 - FRI, JAN 16, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	ND	1000 CFU/g	10 CFU/g	10 CFU/g	PASS
Total Yeast	ND	1000 CFU/g	10 CFU/g	10 CFU/g	PASS
Total Yeast and Mold*	ND	1000 CFU/g	10 CFU/g	10 CFU/g	PASS

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