

Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 04/15/2025

SAMPLE DETAILS

SAMPLE NAME: Stigma Energy Tonic 12oz

Beverage, Liquid Edible

CULTIVATOR / MANUFACTURER

Business Name: License Number: Address:

SAMPLE DETAIL

Batch Number: STG83-01 Sample ID: 250410L039

DISTRIBUTOR / TESTED FOR Business Name: Stigma

License Number:

Date Collected: 04/10/2025 Date Received: 04/10/2025 Batch Size: Sample Size: 1.0 units Unit Mass: 354 grams per Unit Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: **10.3722 mg/unit** Total CBD: **Not Detected** Sum of Cannabinoids: 15.6468 mg/unit Total Cannabinoids: 15.6468 mg/unit Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step: Total THC = Δ^{9} -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877)) Sum of Cannabinoids = Δ^{9} -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^{8} -THC + CBL + CBN Total Cannabinoids = (Δ^{9} -THC + 0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBGa) + (HCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^{8} -THC + CBL + CBN

Density: 0.9994 g/mL

SAFETY ANALYSIS - SUMMARY

 Δ^9 -THC per Unit: **PASS** Heavy Metals: **PASS** Pesticides: **PASS** Microbiology (PCR): **PASS**

Mycotoxins: **PASS**

Microbiology (Plating): ND

Residual Solvents: **OPASS**

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), $\mu g/g = ppm$, $\mu g/kg = ppb$, too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

LOCwerified by/Samantha LeBeau Job Title: Laboratory Assistant Date: 04/15/2025

Approved by: Josh Wurzer

Approved by: Josh Wurzer Job Title: Chief Compliance Officer Date: 04/15/2025

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Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 10.3722 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: Not Detected

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 15.6468 mg/unit

 $\begin{array}{l} \mbox{Total Cannabinoids} (\mbox{Total THC}) + (\mbox{Total CBD}) + \\ (\mbox{Total CBG}) + (\mbox{Total THCV}) + (\mbox{Total CBC}) + \\ (\mbox{Total CBDV}) + \Delta^8 \mbox{-THC} + \mbox{CBL} + \mbox{CBN} \end{array}$

TOTAL CBG: 5.2746 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: ND Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 04/13/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
∆ ⁹ -THC	0.0001/0.0011	±0.00161	0.0293	0.00293
CBG	0.0001 / 0.0005	±0.00072	0.0149	0.00149
∆ ⁸ -THC	0.0006/0.0015	N/A	ND	ND
THCa	0.0001/0.0004	N/A	ND	ND
THCV	0.0002/0.0009	N/A	ND	ND
THCVa	0.0001/0.0014	N/A	ND	ND
CBD	0.0003 / 0.0008	N/A	ND	ND
CBDa	0.0001/0.0020	N/A	ND	ND
CBDV	0.0002/0.0009	N/A	ND	ND
CBDVa	0.0001/0.0014	N/A	ND	ND
CBGa	0.0001 / 0.0005	N/A	ND	ND
CBL	0.0002/0.0008	N/A	ND	ND
CBN	0.0001 / 0.0005	N/A	ND	ND
CBC	0.0003/0.0008	N/A	ND	ND
CBCa	0.0001/0.0011	N/A	ND	ND
SUM OF CANNA	ABINOIDS		0.0442 mg/g	0.00442%

Unit Mass: 354 grams per Unit

∆ ⁹ -THC per Unit	110 per-package limit	10.3722 mg/unit PASS
Total THC per Unit		10.3722 mg/unit
CBD per Unit		ND
Total CBD per Unit		ND
Sum of Cannabinoids per Unit	7	15.6468 mg/unit
Total Cannabinoids per Unit		15.6468 mg/unit

DENSITY TEST RESULT

0.9994 g/mL

Tested 04/13/2025

Method: QSP 7870 - Sample Preparation



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Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

*GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS



COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Abamectin	0.03/0.10	0.3	N/A	ND	PASS
Azoxystrobin	0.02/0.07	40	N/A	ND	PASS
Bifenazate	0.01/0.04	5	N/A	ND	PASS
Bifenthrin	0.02/0.05	0.5	N/A	ND	PASS
Boscalid	0.03/0.09	10	N/A	ND	PASS
Chlorpyrifos	0.02/0.06	≥LOD	N/A	ND	PASS
Cypermethrin	0.11/0.32	1	N/A	ND	PASS
Etoxazole	0.02/0.06	1.5	N/A	ND	PASS
Hexythiazox	0.02/0.07	2	N/A	ND	PASS
Imidacloprid	0.04/0.11	3	N/A	ND	PASS
Malathion	0.03/0.09	5	N/A	ND	PASS
Myclobutanil	0.03/0.09	9	N/A	ND	PASS
Permethrin	0.04/0.12	20	N/A	ND	PASS
Piperonyl Butoxide	0.02/0.07	8	N/A	ND	PASS
Propiconazole	0.02/0.07	20	N/A	ND	PASS
Spiromesifen	0.02/0.05	12	N/A	ND	PASS
Tebuconazole	0.02/0.07	2	N/A	ND	PASS
Trifloxystrobin	0.03/0.08	30	N/A	ND	PASS

Wycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - 04/15/2025 O PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (μg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	2.0/6.0		N/A	ND	
Aflatoxin B2	1.8 / 5. <mark>6</mark>		N/A	ND	
Aflatoxin G1	1.0 / <mark>3.1</mark>		N/A	ND	
Aflatoxin G2	1. <mark>2 / 3.5</mark>		N/A	ND	
Ochratoxin A	6 <mark>.3 / 19.2</mark>	20	N/A	ND	PASS
Total Aflatoxin		20		ND	PASS

급ू Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

 Total Butanes = n-Butane + 2-Methylpropane (Isobutane)

 Total Heptanes = 2,2-Dimethylpentane (Neoheptane) +

 2,3-Dimethylpentane + 2,4-Dimethylpentane +

 2,3-Trimethylbutane (Triptane) + 2-Methylpentane (Isobeptane) +

 3-Methylbaxane + 3-Ethylpentane + n-Heptane

 Total Xylenes = 1,2-Dimethylpence (o-Xylene) +

1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene)

RESIDUAL SOLVENTS TEST RESULTS - 04/15/2025 O PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Propane	0.234 / 0.781	5000	N/A	ND	PASS
2-Methylpropane (Isobutane)	0.052/0.173		N/A	ND	
n-Butane	0.019/0.063	5000	N/A	ND	PASS
Total Butanes				ND	
n-Pentane	0.310/1.033	5000	N/A	ND	PASS
n-Hexane	0.110/0.366	290	N/A	ND	PASS

Continued on next page

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Residual Solvents Analysis

RESIDUAL SOLVENTS TEST RESULTS - 04/15/2025 continued

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
2,2-Dimethylpentane (Neoheptane)	0.493 / 1.642		N/A	ND	
2,3-Dimethylpentane	1.009/3.365		N/A	ND	
2,4-Dimethylpentane	0.737/2.458		N/A	ND	
3,3-Dimethylpentane	0.198/0.660		N/A	ND	
2,2,3-Trimethylbutane (Triptane)	0.521 / 1.738		N/A	ND	
2-Methylhexane (Isoheptane)	0.610/2.034		N/A	ND	
3-Methylhexane	0.235 / 0.785		N/A	ND	
3-Ethylpentane	0.304 / 1.012		N/A	ND	
n-Heptane	13.12/43.72	5000	N/A	ND	PASS
Total Heptanes				ND	
Benzene	0.089/0.295	1	N/A	ND	PASS
Toluene	0.115/0.382	890	N/A	ND	PASS
– 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene)	0.451 / 1.502		N/A	ND	
1,2-Dimethylbenzene (o-Xylene)	0.387 / 1.289		N/A	ND	
Total Xylenes		2170		ND	PASS
Methanol	53.92 / 163.4	3000	N/A	ND	PASS
Ethanol	8.984 / 27.23	5000	±10.945	701.58	PASS
2-Propanol (Isopropyl Alcohol)	8.421 / 25.52	5000	N/A	ND	PASS
Acetone	10.59/32.08	5000	N/A	ND	PASS
Ethyl Acetate	1.123 / 3.745	5000	N/A	ND	PASS

Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 04/12/2025 O PASS

COMPOUND	LOD/L <mark>OQ</mark> (µg <mark>/g)</mark>	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	0.0 <mark>2 / 0.1</mark>	1.5	N/A	ND	PASS
Cadmium	0.0 <mark>2 / 0.05</mark>	0.5	N/A	ND	PASS
Lead	0. <mark>04 / 0.1</mark>	0.5	N/A	ND	PASS
Mercury	0.0 <mark>02 / 0.01</mark>	3	N/A	ND	PASS



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Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 04/15/2025 🔗 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Bile-Tolerant Gram-Negative Bacteria		ND	
Listeria monocytogenes		ND	
Salmonella spp.	Not Detected in 1g	ND	PASS
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS
Staphylococcus aureus		ND	

Analysis conducted by $3M^{{\rm T}{\rm M}}$ Petrifilm^{{\rm T}{\rm M}} and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M[™] Petrifilm[™]

MICROBIOLOGY TEST RESULTS (PLATING) - 04/15/2025 ND

COMPOUND	RESULT (cfu/g)
Total Aerobic Bacteria	ND
Total Yeast and Mold	ND

NOTES

Sample unit mass provided by client.