SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 07/07/2025

SAMPLE DETAILS

SAMPLE NAME: Zone
Other

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR
Business Name: TONIC
License Number:
Address:

SAMPLE DETAIL
Batch Number: Z124-BK25100
Sample ID: 250705R003

Date Collected: 07/05/2025
Date Received: 07/05/2025
Batch Size:
Sample Size: 1.0 unit
Unit Mass: 1 gram per Unit
Serving Size: 1 gram per Serving

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 2.355 mg/unit

Total CBD: 494.325 mg/unit

Sum of Cannabinoids: 603.867 mg/unit

Total Cannabinoids: 603.867 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*CBCa) + (CBDV+0.877*CBDVa) + Δ^8-THC + CBL + CBN

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 6.6166%

α-Bisabolol 27.049 mg/g | Limonene 16.818 mg/g | β-Pinene 8.441 mg/g

SAFETY ANALYSIS - SUMMARY

Pesticides: PASS

Heavy Metals: PASS

Microbiology (PCR): PASS

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), µg/g = ppm, µg/kg = ppb

LQC verified by: Randi Vuong
Job Title: Lead Laboratory Technician
Date: 07/07/2025

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 07/07/2025

Cannabinoid Analysis

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

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

TOTAL THC: 2.355 mg/unit

Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 494.325 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 603.867 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: 59.738 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 25.394 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 4.897 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 07/06/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	*0.004 / 0.011*	*±18.4383*	494.325	49.4325
CBG	*0.002 / 0.006*	*±2.8973*	59.738	5.9738
CBC	*0.003 / 0.010*	*±0.8177*	25.394	2.5394
CBN	*0.001 / 0.007*	*±0.3868*	13.478	1.3478
CBDV	*0.002 / 0.012*	*±0.1998*	4.897	0.4897
CBL	*0.003 / 0.010*	*±0.1358*	3.680	0.3680
Δ^9-THC	*0.002 / 0.014*	*±0.1293*	2.355	0.2355
Δ^8-THC	*0.01 / 0.02*	*N/A*	ND	ND
THCa	*0.001 / 0.005*	*N/A*	ND	ND
THCV	*0.002 / 0.012*	*N/A*	ND	ND
THCVa	*0.002 / 0.019*	*N/A*	ND	ND
CBDa	*0.001 / 0.026*	*N/A*	ND	ND
CBDVa	*0.001 / 0.018*	*N/A*	ND	ND
CBGa	*0.002 / 0.007*	*N/A*	ND	ND
CBCa	*0.001 / 0.015*	*N/A*	ND	ND
SUM OF CANNABINOIDS			603.867 mg/g	60.3867%

Unit Mass: 1 gram per Unit / Serving Size: 1 gram per Serving

Δ^9-THC per Unit	2.355 mg/unit
Δ^9-THC per Serving	2.355 mg/serving
Total THC per Unit	2.355 mg/unit
Total THC per Serving	2.355 mg/serving
CBD per Unit	494.325 mg/unit
CBD per Serving	494.325 mg/serving
Total CBD per Unit	494.325 mg/unit
Total CBD per Serving	494.325 mg/serving
Sum of Cannabinoids per Unit	603.867 mg/unit
Sum of Cannabinoids per Serving	603.867 mg/serving
Total Cannabinoids per Unit	603.867 mg/unit
Total Cannabinoids per Serving	603.867 mg/serving

Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

1 α-Bisabolol
A sesquiterpene alcohol with a fragrance that can be described as floral, peppery, sweet and clean. Found in chamomile, figwort, yarrow, skullcaps, lavender, ironwort, germander...etc.

2 Limonene
A monoterpene with a fragrance that can be described as orangey, citrusy, sweet and tart. It is most commonly found in nature as D-Limonene and is a primary contributor to the distinct scent of orange peels, from which it is commonly derived. Found in numerous pines, red maple, silver maple, aspens, cottonwoods, hemlocks, sumac, cedar, junipers...etc.

3 β-Pinene
One of two isomers of the monoterpene Pinene, the most abundant terpene in the natural world. It is responsible for the distinct aroma of many coniferous trees, particularly pines, from which it derives its name. It is a primary constituent of turpentine. Found in pines, parsley, celery, nutmeg, hyssop, black currant, rosemary, black pepper, spearmint...etc.

TERPENOID TEST RESULTS - 07/06/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
α-Bisabolol	*0.008 / 0.026*	*±1.1225*	**27.049**	**2.7049**
Limonene	*0.005 / 0.036*	*±0.1867*	**16.818**	**1.6818**
β-Pinene	*0.004 / 0.014*	*±0.0751*	**8.441**	**0.8441**
α-Pinene	*0.005 / 0.036*	*±0.0559*	**8.340**	**0.8340**
β-Caryophyllene	*0.004 / 0.012*	*±0.0465*	**1.677**	**0.1677**
α-Humulene	*0.009 / 0.180*	*±0.0285*	**1.138**	**0.1138**
Nerolidol	*0.006 / 0.021*	*±0.0427*	**0.872**	**0.0872**
Caryophyllene Oxide	*0.010 / 0.033*	*±0.0229*	**0.640**	**0.0640**
Myrcene	*0.008 / 0.025*	*±0.0038*	**0.384**	**0.0384**
Terpineol	*0.009 / 0.031*	*±0.0111*	**0.232**	**0.0232**
Linalool	*0.009 / 0.036*	*±0.0050*	**0.170**	**0.0170**
Δ^3-Carene	*0.005 / 0.018*	*±0.0010*	**0.094**	**0.0094**
Borneol	*0.005 / 0.016*	*±0.0023*	**0.071**	**0.0071**
Camphene	*0.005 / 0.015*	*±0.0006*	**0.067**	**0.0067**
γ-Terpinene	*0.006 / 0.018*	*±0.0008*	**0.057**	**0.0057**
Terpinolene	*0.008 / 0.036*	*±0.0008*	**0.052**	**0.0052**
Fenchol	*0.010 / 0.036*	*±0.0014*	**0.047**	**0.0047**
p-Cymene	*0.005 / 0.016*	*±0.0004*	**0.017**	**0.0017**
α-Terpinene	*0.005 / 0.017*	*N/A*	**<LOQ**	**<LOQ**
Citronellol	*0.003 / 0.036*	*N/A*	**<LOQ**	**<LOQ**
Fenchone	*0.009 / 0.036*	*N/A*	**<LOQ**	**<LOQ**
Menthol	*0.008 / 0.025*	*N/A*	**<LOQ**	**<LOQ**
Nerol	*0.003 / 0.036*	*N/A*	**<LOQ**	**<LOQ**
α-Cedrene	*0.005 / 0.016*	*N/A*	**ND**	**ND**
α-Phellandrene	*0.006 / 0.036*	*N/A*	**ND**	**ND**
β-Ocimene	*0.006 / 0.025*	*N/A*	**ND**	**ND**
Camphor	*0.006 / 0.036*	*N/A*	**ND**	**ND**
Cedrol	*0.008 / 0.027*	*N/A*	**ND**	**ND**
Eucalyptol	*0.006 / 0.018*	*N/A*	**ND**	**ND**
Geraniol	*0.002 / 0.036*	*N/A*	**ND**	**ND**
Geranyl Acetate	*0.004 / 0.036*	*N/A*	**ND**	**ND**
Guaiol	*0.009 / 0.030*	*N/A*	**ND**	**ND**
Isoborneol	*0.004 / 0.012*	*N/A*	**ND**	**ND**
Isopulegol	*0.005 / 0.036*	*N/A*	**ND**	**ND**
Pulegone	*0.003 / 0.011*	*N/A*	**ND**	**ND**
Sabinene	*0.004 / 0.014*	*N/A*	**ND**	**ND**
Sabinene Hydrate	*0.006 / 0.036*	*N/A*	**ND**	**ND**
trans-β-Farnesene	*0.008 / 0.025*	*N/A*	**ND**	**ND**
Valencene	*0.009 / 0.180*	*N/A*	**ND**	**ND**
TOTAL TERPENOIDS			**66.166 mg/g**	**6.6166%**

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

PESTICIDE TEST RESULTS - 07/07/2025 PASS

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*	<LOQ	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*	<LOQ	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

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 - 07/06/2025 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	*0.02 / 0.1*	*1.5*	*N/A*	ND	PASS
Cadmium	*0.02 / 0.05*	*0.5*	*N/A*	ND	PASS
Lead	*0.04 / 0.1*	*0.5*	*N/A*	ND	PASS
Mercury	*0.002 / 0.01*	*3*	*N/A*	ND	PASS

Microbiology Analysis

PCR

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

Method: QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 07/07/2025 PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Salmonella spp.	*Not Detected in 1g*	ND	PASS
Shiga toxin-producing *Escherichia coli*	*Not Detected in 1g*	ND	PASS

NOTES
Sample serving mass provided by client. Sample unit mass provided by client.