SC Labs®

SAMPLE DETAILS

SAMPLE NAME: RASP5/20
Infused, Solid Edible

CULTIVATOR / MANUFACTURER Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR Business Name: Herb Garden Co. License Number:
Address:

SAMPLE DETAIL

Batch Number: RAS0001
Sample ID: 241226S006

Date Collected: 12/26/2024 Date Received: 12/26/2024 Batch Size:
Sample Size: 5.0 units
Unit Mass: 4.57 grams per Unit Serving Size:

Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 01/14/2025

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Cannabinoids: 24.838 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

Total THC: 5.201 mg/unit

Total CBD: 19.125 mg/unit

Sum of Cannabinoids: 24.838 mg/unit Total

39

Total

Unit:

TERPENOID ANALYSIS - SUMMARY

TESTED, TOP 3 HIGHLIGHTED

Terpenoids: 0.0033%
Guaiol 0.033 mg/g
Eucalyptol <LOQ

SAFETY ANALYSIS - SUMMARY

Δ^9-THC per

PASS

Pesticides:

PASS Mycotoxins: PASS Residual Solvents: PASS Heavy Metals: PASS Microbiology (PCR): PASS Microbiology (Plating): **ND**

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),

LQC verified by: Josh Antunovich Job Title: Laboratory Director Date: 01/14/2025

Approved by: Josh Wurzer Job Title: Chief Compliance Officer Date: 01/14/2025

g/g = ppm, g/kg = ppb, too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Amendment to Certificate of Analysis 241226S006-002

SC Labs

CERTIFICATE OF ANALYSIS

DATE ISSUED 01/14/2025

Cannabinoid Analysis

Hemp Quality Assurance Testing

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

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

TOTAL THC: 5.201 mg/unit
Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 19.125 mg/unit
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 24.838 mg/unit Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: 0.142 mg/unit
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.251 mg/unit
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.119 mg/unit
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 01/09/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDV	*0.002 / 0.012*	*0.0011*	0.026	0.0026
CBN	*0.001 / 0.007 N/A*		<LOQ	<LOQ
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
CBL	*0.003 / 0.010 N/A*		ND	ND
CBCa	*0.001 / 0.015 N/A*		ND	ND
SUM OF CANNABINOIDS			5.435 mg/g	0.5435%

Unit Mass: 4.57 grams per Unit

Δ^9-THC per Unit *110 per-package limit* 5.201 mg/unit PASS Total THC per Unit 5.201 mg/unit CBD per Unit 19.125 mg/unit Total CBD per Unit 19.125 mg/unit Sum of Cannabinoids per Unit 24.838 mg/unit Total Cannabinoids per Unit 24.838 mg/unit

TERPENOID TEST RESULTS - 01/10/2025

Terpenoid Analysis

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

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	*0.004 / 0.011*	*0.1561*	4.185	0.4185
Δ^9-THC	*0.002 / 0.014*	*0.0625*	1.138	0.1138
CBC	*0.003 / 0.010*	*0.0018*	0.055	0.0055
CBG	*0.002 / 0.006*	*0.0015*	0.031	0.0031

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

Guaiol	*0.009 / 0.030*	*0.0012*	0.033	0.0033
Eucalyptol	*0.006 / 0.018 N/A*		<LOQ	<LOQ
α-Bisabolol	*0.008 / 0.026 N/A*		ND	ND
α-Cedrene	*0.005 / 0.016 N/A*		ND	ND
α-Humulene	*0.009 / 0.180 N/A*		ND	ND
α-Phellandrene	*0.006 / 0.036 N/A*		ND	ND
α-Pinene	*0.005 / 0.036 N/A*		ND	ND
α-Terpinene	*0.005 / 0.017 N/A*		ND	ND
β-Caryophyllene	*0.004 / 0.012 N/A*		ND	ND
β-Ocimene	*0.006 / 0.025 N/A*		ND	ND
β-Pinene	*0.004 / 0.014 N/A*		ND	ND

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Terpenoid Analysis

Continued

Hemp Quality Assurance Testing

TERPENOID TEST RESULTS - 01/10/2025 *continued*

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)

Guaiol

A sesquiterpene alcohol with a fragrance that can be described as floral, piney, herbal and woody. Found in guaiacum, cypress pine, ginseng, melaleuca, goatweed, incense grass...etc.

Eucalyptol

A monoterpenoid alcohol with a fragrance that can be described as a combination of fresh, spicy, herbal and minty. It is sometimes added to cigarettes and mouthwashes as a flavorant. Although sometimes used as an insect repellant, it is a powerful attractant to certain male bees. Found in eucalyptus, rosemary, wormwood, sage...etc.

Pesticide Analysis

Borneol *0.005 / 0.016 N/A* ND ND Camphene *0.005 / 0.015 N/A* ND ND Camphor *0.006 / 0.036 N/A* ND ND Caryophyllene Oxide *0.010 / 0.033 N/A* ND ND Cedrol

0.008 / 0.027 N/A ND ND Citronellol *0.003 / 0.036 N/A* ND ND Δ^3-Carene *0.005 / 0.018 N/A* ND ND Fenchol *0.010 / 0.036 N/A* ND ND Fenchone *0.009 / 0.036 N/A* ND ND γ -Terpinene *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 Isoborneol *0.004 / 0.012 N/A* ND ND Isopulegol *0.005 / 0.036 N/A* ND ND Limonene *0.005 / 0.036 N/A* ND ND Linalool *0.009 / 0.036 N/A* ND ND Menthol *0.008 / 0.025 N/A* ND ND Myrcene *0.008 / 0.025 N/A* ND ND Nerol *0.003 / 0.036 N/A* ND ND Nerolidol *0.006 / 0.021 N/A* ND ND p-Cymene *0.005 / 0.016 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 Terpineol *0.009 / 0.031 N/A* ND ND Terpinolene *0.008 / 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 0.033 mg/g 0.0033%

PESTICIDE TEST RESULTS - 01/11/2025 PASS

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.

COMPOUND	LOD/LOQ (g/g) ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	(g/g) RESULT RESULT

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

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

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/11/2025 *continued* PASS

COMPOUND	LOD/LOQ (g/g) ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	(g/g) RESULT RESULT

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

MYCOTOXIN TEST RESULTS - 01/11/2025 PASS

Mycotoxin Analysis

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

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

COMPOUND LOD/LOQ (g/kg) ACTION LIMIT (g/kg) MEASUREMENT UNCERTAINTY (g/kg) RESULT (g/kg) RESULT

Total Aflatoxin *20* ND PASS

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

PASS

Residual Solvents Analysis

Aflatoxin B1 *2.0 / 6.0 N/A* ND Aflatoxin B2 *1.8 / 5.6 N/A* ND Aflatoxin G1 *1.0 / 3.1 N/A* ND Aflatoxin G2 *1.2 / 3.5 N/A* ND Ochratoxin A *6.3 / 19.2 20 N/A* ND PASS

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

COMPOUND LOD/LOQ (g/g) ACTION LIMIT (g/g) MEASUREMENT UNCERTAINTY (g/g) RESULT (g/g) RESULT

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

Propane *10 / 20 5000 N/A* ND PASS n-Butane *10 / 50 5000 N/A* ND PASS n-Pentane *20 / 50 5000 N/A* ND PASS n-Hexane *2 / 5 290 N/A* ND PASS n-Heptane *20 / 60 5000 N/A* ND PASS Benzene *0.03 / 0.09 1 N/A* ND PASS Toluene *7 / 21 890 N/A* ND PASS Total Xylenes *50 / 160 2170 N/A* ND PASS Methanol *50 / 200 3000 N/A* ND PASS Ethanol *20 / 50 5000 N/A* <LOQ PASS 2-Propanol (Isopropyl Alcohol) *10 / 40 5000 N/A* ND PASS Acetone *20 / 50 5000 N/A* ND PASS Ethyl Ether *20 / 50 5000 N/A* ND PASS Ethylene Oxide *0.3 / 0.8 1 N/A* ND PASS

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Residual Solvents Analysis *Continued*

Hemp Quality Assurance Testing

g/g) ACTION LIMIT (g/g) MEASUREMENT UNCERTAINTY (g/g) RESULT (g/g) RESULT

COMPOUND LOD/LOQ (

Ethyl Acetate *20 / 60 5000 N/A* ND PASS Chloroform *0.1 / 0.2 1 N/A* ND PASS Dichloromethane

(Methylene Chloride) *0.3 / 0.9 1 N/A* ND PASS Trichloroethylene *0.1 / 0.3 1 N/A* ND PASS 1,2-Dichloroethane *0.05 / 0.1 1 N/A* ND PASS Acetonitrile *2 / 7 410 N/A* ND PASS

HEAVY METALS TEST RESULTS - 01/10/2025 PASS

Heavy Metals Analysis

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

COMPOUND	LOD/LOQ (g/g)	ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	RESULT (g/g)	RESULT
0.1 0.5 N/A ND PASS Mercury	*0.002 / 0.01 3 N/A* ND PASS				

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

MICROBIOLOGY TEST RESULTS (PCR) - 01/14/2025 PASS

n of	RESULT (cfu/g)	RESULT
PASS Shiga toxin-producing *Escherichia coli Not Detected in 1g* ND PASS *Staphylococcus aureus* ND		

MICROBIOLOGY TEST RESULTS (PLATING) - 01/14/2025 ND

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

Bile-Tolerant Gram-Negative Bacteria ND *Salmonella* spp. *Not Detected in 1g* ND

Reason for Amendment: Add/Remove Test(s)

