SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 03/17/2023

SAMPLE NAME: Smart Oil (Large Breed Formula)
Infused, Concentrated Liquid Edible

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR
Business Name: Finnessiam Health
License Number:
Address:

SAMPLE DETAIL
Batch Number:
Sample ID: 230310Q008

Date Collected: 03/10/2023
Date Received: 03/10/2023
Batch Size:
Sample Size: 2.0 units
Unit Mass:
Serving Size:



Scan QR code to verify authenticity of results.

TERPENOID ANALYSIS - SUMMARY
39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 0.0249%

β-Caryophyllene 0.156 mg/g
Caryophyllene Oxide 0.093 mg/g

SAFETY ANALYSIS - SUMMARY

Pesticides: PASS
Residual Solvents: PASS
Microbiology (PCR): PASS

Microbiology (Plating): ND

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), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 03/17/2023

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Terpenoid Analysis

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

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

1 β-Caryophyllene

A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional CB_2 receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

2 Caryophyllene Oxide

A sesquiterpene epoxide with a fragrance that can be described as fresh, sweet, dry, woody and spicy. It is a component used by drug-sniffing dogs to identify cannabis. It does interact with the endocannabinoid system. Found in field wormwood, salt heliotrope, cinnamon, sticky sage, basil, waterbessie...etc.

TERPENOID TEST RESULTS - 03/17/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β-Caryophyllene	*0.004 / 0.012*	*±0.0043*	**0.156**	**0.0156**
Caryophyllene Oxide	*0.010 / 0.033*	*±0.0033*	**0.093**	**0.0093**
α-Pinene	*0.005 / 0.017*	*N/A*	**ND**	**ND**
Camphene	*0.005 / 0.015*	*N/A*	**ND**	**ND**
Sabinene	*0.004 / 0.014*	*N/A*	**ND**	**ND**
β-Pinene	*0.004 / 0.014*	*N/A*	**ND**	**ND**
Myrcene	*0.008 / 0.025*	*N/A*	**ND**	**ND**
α-Phellandrene	*0.006 / 0.020*	*N/A*	**ND**	**ND**
Δ^3-Carene	*0.005 / 0.018*	*N/A*	**ND**	**ND**
α-Terpinene	*0.005 / 0.017*	*N/A*	**ND**	**ND**
p-Cymene	*0.005 / 0.016*	*N/A*	**ND**	**ND**
Limonene	*0.005 / 0.016*	*N/A*	**ND**	**ND**
Eucalyptol	*0.006 / 0.018*	*N/A*	**ND**	**ND**
β-Ocimene	*0.006 / 0.020*	*N/A*	**ND**	**ND**
γ-Terpinene	*0.006 / 0.018*	*N/A*	**ND**	**ND**
Sabinene Hydrate	*0.006 / 0.022*	*N/A*	**ND**	**ND**
Fenchone	*0.009 / 0.028*	*N/A*	**ND**	**ND**
Terpinolene	*0.008 / 0.026*	*N/A*	**ND**	**ND**
Linalool	*0.009 / 0.032*	*N/A*	**ND**	**ND**
Fenchol	*0.010 / 0.034*	*N/A*	**ND**	**ND**
Isopulegol	*0.005 / 0.016*	*N/A*	**ND**	**ND**
Camphor	*0.006 / 0.019*	*N/A*	**ND**	**ND**
Isoborneol	*0.004 / 0.012*	*N/A*	**ND**	**ND**
Borneol	*0.005 / 0.016*	*N/A*	**ND**	**ND**
Menthol	*0.008 / 0.025*	*N/A*	**ND**	**ND**
Terpineol	*0.009 / 0.031*	*N/A*	**ND**	**ND**
Nerol	*0.003 / 0.011*	*N/A*	**ND**	**ND**
Citronellol	*0.003 / 0.010*	*N/A*	**ND**	**ND**
Pulegone	*0.003 / 0.011*	*N/A*	**ND**	**ND**
Geraniol	*0.002 / 0.007*	*N/A*	**ND**	**ND**
Geranyl Acetate	*0.004 / 0.014*	*N/A*	**ND**	**ND**
α-Cedrene	*0.005 / 0.016*	*N/A*	**ND**	**ND**
trans-β-Farnesene	*0.008 / 0.025*	*N/A*	**ND**	**ND**
α-Humulene	*0.009 / 0.029*	*N/A*	**ND**	**ND**
Valencene	*0.009 / 0.030*	*N/A*	**ND**	**ND**
Nerolidol	*0.006 / 0.019*	*N/A*	**ND**	**ND**
Guaiol	*0.009 / 0.030*	*N/A*	**ND**	**ND**
Cedrol	*0.008 / 0.027*	*N/A*	**ND**	**ND**
α-Bisabolol	*0.008 / 0.026*	*N/A*	**ND**	**ND**
TOTAL TERPENOIDS			**0.249 mg/g**	**0.0249%**

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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

PESTICIDE TEST RESULTS - 03/15/2023 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	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

Residual Solvents Analysis

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

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

RESIDUAL SOLVENTS TEST RESULTS - 03/13/2023 PASS

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

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Residual Solvents Analysis
Continued

RESIDUAL SOLVENTS TEST RESULTS - 03/13/2023 *continued* PASS

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

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) - 03/14/2023 PASS

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

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

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

MICROBIOLOGY TEST RESULTS (PLATING) - 03/14/2023 **ND**

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

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