

Oliphant Brewing LLC

 350 Main St Ste 2
 Somerset, WI 54025
 trevor@oliphantbrewing.com
 (651) 472-7889

Sample: 2408AIT1046.2133

 Strain: N/A
 Batch#: ; Batch Size: g
 Sample Received: 08/22/2024; Report Created: 08/26/2024

Pink Berry Lemonade 091724

Ingestible, Beverage



0.003%
 9.1 mg/container
 4.6 mg/serving

Total THC

<LOQ
 <LOQ
 <LOQ

Total CBD

0.003%
 9.1 mg/container
 4.6 mg/serving

Total Cannabinoids

Cannabinoids

Date Tested: 08/26/2024

Analytes	%	mg/g	mg/ml	mg/serving	LOQ
CBC	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBD	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBDa	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBDV	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBG	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBGa	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBL	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBN	<LOQ	<LOQ	<LOQ	<LOQ	0.001
Δ8-THC	<LOQ	<LOQ	<LOQ	<LOQ	0.001
Δ9-THC	0.003	0.026	0.026	4.560	0.001
THCa	<LOQ	<LOQ	<LOQ	<LOQ	0.001
THCVa	<LOQ	<LOQ	<LOQ	<LOQ	0.001

Method: HPLC
 Total THC = THCa * 0.877 + Δ9-THC
 Total CBD = CBDa * 0.877 + CBD

Total Cannabinoids represents the sum of all cannabinoids in the table above.
 Results are reported on a dry weight basis: Cannabinoid % / (1.0 - moisture content % / 100) = Dry weight cannabinoids %
 LOQ = Limit of Quantitation

Summary

 4150 98th Ave S
 Fargo, ND
 (888) 897-4367
 www.hempinspection.com


 John Schmidt
 Analytical Chemist

 Confident LIMS
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 (866) 506-5866

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Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Water Sol Full Panel May-July 2024 CBN,CBG,CBD,THC

Batch ID or Lot Number: WS.FP.052824	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 4
Reported: 31May2024	Started: 31May2024	Received: 29May2024	

Heavy Metals

Test ID: T000282343

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.77	ND	
Cadmium	0.05 - 4.88	ND	
Mercury	0.05 - 4.63	ND	
Lead	0.05 - 4.68	ND	

Final Approval



Karen Winterheimer
31May2024
01:01:00 PM MDT

PREPARED BY / DATE



Sam Smith
31May2024
01:03:00 PM MDT

APPROVED BY / DATE

Microbial Contaminants

Test ID: T000282342

Methods: TM25 (PCR) TM24, TM26,
TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Brianne Maillot
02Jun2024
12:16:00 PM MDT

PREPARED BY / DATE



Brett Hudson
02Jun2024
05:30:00 PM MDT

APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Water Sol Full Panel May-July 2024
CBN,CBG,CBD,THC

Batch ID or Lot Number: WS.FP.052824	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 4
Reported: 31May2024	Started: 31May2024	Received: 29May2024	

Residual Solvents

Test ID: T000282344

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1832	ND	
Butanes (Isobutane, n-Butane)	183 - 3653	ND	
Methanol	63 - 1265	ND	
Pentane	94 - 1888	ND	
Ethanol	100 - 1992	ND	
Acetone	107 - 2131	ND	
Isopropyl Alcohol	109 - 2186	ND	
Hexane	7 - 133	ND	
Ethyl Acetate	109 - 2178	ND	
Benzene	0.2 - 4.4	ND	
Heptanes	102 - 2040	ND	
Toluene	19 - 386	ND	
Xylenes (m,p,o-Xylenes)	134 - 2683	ND	

Final Approval



Karen Winternheimer
04Jun2024
10:29:00 AM MDT

PREPARED BY / DATE



Sam Smith
04Jun2024
10:33:00 AM MDT

APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Water Sol Full Panel May-July 2024
CBN,CBG,CBD,THC

Batch ID or Lot Number: WS.FP.052824	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 3 of 4
Reported: 31May2024	Started: 31May2024	Received: 29May2024	

Pesticides

Test ID: T000282341

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	338 - 2814	ND		Malathion	276 - 2737	ND
Acephate	44 - 2726	ND		Metalaxyl	45 - 2745	ND
Acetamiprid	44 - 2712	ND		Methiocarb	40 - 2760	ND
Azoxystrobin	42 - 2720	ND		Methomyl	44 - 2794	ND
Bifenazate	32 - 2734	ND		MGK 264 1	175 - 1637	ND
Boscalid	39 - 2750	ND		MGK 264 2	133 - 1057	ND
Carbaryl	42 - 2723	ND		Myclobutanil	40 - 2722	ND
Carbofuran	41 - 2710	ND		Naled	43 - 2655	ND
Chlorantraniliprole	34 - 2762	ND		Oxamyl	44 - 2765	ND
Chlorpyrifos	44 - 2733	ND		Paclobutrazol	42 - 2697	ND
Clofentezine	280 - 2749	ND		Permethrin	277 - 2687	ND
Diazinon	283 - 2720	ND		Phosmet	33 - 2602	ND
Dichlorvos	274 - 2739	ND		Prophos	266 - 2795	ND
Dimethoate	43 - 2711	ND		Propoxur	39 - 2723	ND
E-Fenpyroximate	284 - 2616	ND		Pyridaben	280 - 2644	ND
Etofenprox	38 - 2629	ND		Spinosad A	31 - 2078	ND
Etoxazole	276 - 2541	ND		Spinosad D	68 - 637	ND
Fenoxycarb	12 - 2712	ND		Spiromesifen	279 - 2620	ND
Fipronil	50 - 2702	ND		Spirotetramat	281 - 2789	ND
Flonicamid	47 - 2755	ND		Spiroxamine 1	15 - 1013	ND
Fludioxonil	276 - 2757	ND		Spiroxamine 2	23 - 1623	ND
Hexythiazox	36 - 2651	ND		Tebuconazole	291 - 2722	ND
Imazalil	295 - 2769	ND		Thiacloprid	44 - 2756	ND
Imidacloprid	44 - 2776	ND		Thiamethoxam	44 - 2708	ND
Kresoxim-methyl	30 - 2748	ND		Trifloxystrobin	42 - 2715	ND

Final Approval



Karen Winternheimer
10Jun2024
01:06:00 PM MDT

PREPARED BY / DATE



Sam Smith
10Jun2024
01:34:00 PM MDT

APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Water Sol Full Panel May-July 2024 CBN,CBG,CBD,THC

Batch ID or Lot Number:

WS.FP.052824

Test, Test ID and Methods:

Various

Matrix:

Finished Product

Page 4 of 4

Reported:

31May2024

Started:

31May2024

Received:

29May2024



<https://results.botanacor.com/api/v1/coas/uuid/fe4b7038-aa0e-4e72-83c3-976fe389f70c>

Definitions

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa $\times$ (0.877)) and Total CBD = CBD + (CBDa $\times$ (0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa $\times$ (0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



Cert #4329.02

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Oliphant Brewing LLC

 350 Main St Ste 2
 Somerset, WI 54025
 trevor@oliphantbrewing.com
 (651) 472-7889

Sample: 2501AIT0068.0132

Strain: N/A

Batch#: ; Batch Size: g

Sample Received: 01/19/2025; Report Created: 01/20/2025

High North Pinkberry #020525

Ingestible, Beverage



0.003%
 10.3 mg/container
 5.2 mg/serving

Total THC

<LOQ
 <LOQ
 <LOQ

Total CBD

0.003%
 10.3 mg/container
 5.2 mg/serving

Total Cannabinoids

Cannabinoids

Date Tested: 01/20/2025

Analytes	%	mg/g	mg/ml	mg/serving	LOQ
CBC	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBD	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBDa	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBDV	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBG	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBGa	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBL	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBN	<LOQ	<LOQ	<LOQ	<LOQ	0.001
Δ8-THC	<LOQ	<LOQ	<LOQ	<LOQ	0.001
Δ9-THC	0.003	0.029	0.029	5.172	0.001
THCa	<LOQ	<LOQ	<LOQ	<LOQ	0.001
THCVa	<LOQ	<LOQ	<LOQ	<LOQ	0.001

 Method: HPLC
 Total THC = THCa * 0.877 + Δ9-THC
 Total CBD = CBDa * 0.877 + CBD

 Total Cannabinoids represents the sum of all cannabinoids in the table above.
 Results are reported on a dry weight basis: Cannabinoid % / (1.0 - moisture content % / 100) = Dry weight cannabinoids %
 LOQ = Limit of Quantitation

Summary

 4150 98th Ave S
 Fargo, ND
 (888) 897-4367
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Bradley Towey

Senior Analytical Chemist


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 (866) 506-5866

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SAMPLE DETAILS

SAMPLE NAME: Water Soluble Full Panel 2025 Q1 (CBN,CBG,THC,CBD)

Concentrate, Product Inhalable

CULTIVATOR / MANUFACTURER**Business Name:****License Number:****Address:****DISTRIBUTOR / TESTED FOR****Business Name:** Superior Molecular**License Number:****Address:****SAMPLE DETAIL****Batch Number:** WS.FP2025Q1**Sample ID:** 250115L036**Date Collected:** 01/15/2025**Date Received:** 01/15/2025**Batch Size:****Sample Size:****Unit Mass:****Serving Size:**Scan QR code to verify
authenticity of results.

SAFETY ANALYSIS - SUMMARY

Pesticides:  **PASS**Mycotoxins:  **PASS**Residual Solvents:  **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), $\mu\text{g/g}$ = ppm, $\mu\text{g/kg}$ = ppb

LQC verified by: Juan Romero-Cortez
Job Title: Laboratory Analyst II
Date: 01/17/2025

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 01/17/2025



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 - 01/17/2025 ✓ PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	0.03 / 0.10	0.1	N/A	ND	PASS
Acephate	0.02 / 0.07	0.1	N/A	ND	PASS
Acequinocyl	0.02 / 0.07	0.1	N/A	ND	PASS
Acetamiprid	0.02 / 0.05	0.1	N/A	ND	PASS
Aldicarb	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Azoxystrobin	0.02 / 0.07	0.1	N/A	ND	PASS
Bifenazate	0.01 / 0.04	0.1	N/A	ND	PASS
Bifenthrin	0.02 / 0.05	3	N/A	ND	PASS
Boscalid	0.03 / 0.09	0.1	N/A	ND	PASS
Captan	0.19 / 0.57	0.7	N/A	ND	PASS
Carbaryl	0.02 / 0.06	0.5	N/A	ND	PASS
Carbofuran	0.02 / 0.05	≥ LOD	N/A	ND	PASS
Chlorantraniliprole	0.04 / 0.12	10	N/A	ND	PASS
Chlordane*	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Chlorfenapyr*	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Chlorpyrifos	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Clofentezine	0.03 / 0.09	0.1	N/A	ND	PASS
Coumaphos	0.02 / 0.07	≥ LOD	N/A	ND	PASS
Cyfluthrin	0.12 / 0.38	2	N/A	ND	PASS
Cypermethrin	0.11 / 0.32	1	N/A	ND	PASS
Daminozide	0.02 / 0.07	≥ LOD	N/A	ND	PASS
Diazinon	0.02 / 0.05	0.1	N/A	ND	PASS
Dichlorvos (DDVP)	0.03 / 0.09	≥ LOD	N/A	ND	PASS
Dimethoate	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Dimethomorph	0.03 / 0.09	2	N/A	ND	PASS
Ethoprophos	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Etofenprox	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Etoxazole	0.02 / 0.06	0.1	N/A	ND	PASS
Fenhexamid	0.03 / 0.09	0.1	N/A	ND	PASS
Fenoxycarb	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Fenpyroximate	0.02 / 0.06	0.1	N/A	ND	PASS
Fipronil	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Flonicamid	0.03 / 0.10	0.1	N/A	ND	PASS
Fludioxonil	0.03 / 0.10	0.1	N/A	ND	PASS
Hexythiazox	0.02 / 0.07	0.1	N/A	ND	PASS
Imazalil	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Imidacloprid	0.04 / 0.11	5	N/A	ND	PASS
Kresoxim-methyl	0.02 / 0.07	0.1	N/A	ND	PASS
Malathion	0.03 / 0.09	0.5	N/A	ND	PASS
Metalaxyl	0.02 / 0.07	2	N/A	ND	PASS
Methiocarb	0.02 / 0.07	≥ LOD	N/A	ND	PASS

Continued on next page


Pesticide Analysis *Continued*
PESTICIDE TEST RESULTS - 01/17/2025 *continued* ✓ PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Methomyl	0.03 / 0.10	1	N/A	ND	PASS
Mevinphos	0.03 / 0.09	≥ LOD	N/A	ND	PASS
Myclobutanil	0.03 / 0.09	0.1	N/A	ND	PASS
Naled	0.02 / 0.07	0.1	N/A	ND	PASS
Oxamyl	0.04 / 0.11	0.5	N/A	ND	PASS
Paclobutrazol	0.02 / 0.05	≥ LOD	N/A	ND	PASS
Parathion-methyl	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Pentachloronitrobenzene (Quintozene)*	0.03 / 0.09	0.1	N/A	ND	PASS
Permethrin	0.04 / 0.12	0.5	N/A	ND	PASS
Phosmet	0.03 / 0.10	0.1	N/A	ND	PASS
Piperonyl Butoxide	0.02 / 0.07	3	N/A	ND	PASS
Prallethrin	0.03 / 0.08	0.1	N/A	ND	PASS
Propiconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Propoxur	0.03 / 0.09	≥ LOD	N/A	ND	PASS
Pyrethrins	0.04 / 0.12	0.5	N/A	ND	PASS
Pyridaben	0.02 / 0.07	0.1	N/A	ND	PASS
Spinetoram	0.02 / 0.07	0.1	N/A	ND	PASS
Spinosad	0.02 / 0.07	0.1	N/A	ND	PASS
Spiromesifen	0.02 / 0.05	0.1	N/A	ND	PASS
Spirotetramat	0.02 / 0.06	0.1	N/A	ND	PASS
Spiroxamine	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Tebuconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Thiacloprid	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Thiamethoxam	0.03 / 0.10	5	N/A	ND	PASS
Trifloxystrobin	0.03 / 0.08	0.1	N/A	ND	PASS


Mycotoxin Analysis
MYCOTOXIN TEST RESULTS - 01/17/2025 ✓ 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 / 5.6		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
Total Aflatoxin		20		ND	PASS

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

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



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 - 01/17/2025 ✓ 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
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 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 - 01/16/2025 ✓ PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	0.02 / 0.1	0.2	N/A	ND	PASS
Cadmium	0.02 / 0.05	0.2	N/A	ND	PASS
Lead	0.04 / 0.1	0.5	N/A	ND	PASS
Mercury	0.002 / 0.01	0.1	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) - 01/17/2025 ✓ PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
<i>Aspergillus flavus</i>	Not Detected in 1g	ND	PASS
<i>Aspergillus fumigatus</i>	Not Detected in 1g	ND	PASS
<i>Aspergillus niger</i>	Not Detected in 1g	ND	PASS
<i>Aspergillus terreus</i>	Not Detected in 1g	ND	PASS
<i>Salmonella</i> spp.	Not Detected in 1g	ND	PASS
Shiga toxin-producing <i>Escherichia coli</i>	Not Detected in 1g	ND	PASS

Prepared for:
Oliphant Brewing LLC

350 Main St, Ste 2
Somerset, WI USA 54025

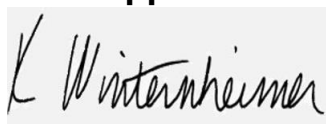
High North Pink Berry Lemonade 010824

Batch ID or Lot Number: 010824	Test: Potency	Reported: 17Jan2024	USDA License: N/A
Matrix: Unit	Test ID: T000267059	Started: 16Jan2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 11Jan2024	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.204	0.544	ND	ND	# of Servings = 1, Sample Weight=383g
Cannabichromenic Acid (CBCA)	0.187	0.498	ND	ND	
Cannabidiol (CBD)	0.535	1.417	ND	ND	
Cannabidiolic Acid (CBDA)	0.549	1.453	ND	ND	
Cannabidivarin (CBDV)	0.127	0.335	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.229	0.606	ND	ND	
Cannabigerol (CBG)	0.116	0.309	0.340	0.00	
Cannabigerolic Acid (CBGA)	0.484	1.292	ND	ND	
Cannabinol (CBN)	0.151	0.403	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.330	0.882	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.577	1.540	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.524	1.398	11.380	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.464	1.239	ND	ND	
Tetrahydrocannabivarin (THCV)	0.105	0.281	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.410	1.093	ND	ND	
Total Cannabinoids			11.720	0.00	
Total Potential THC			11.380	0.00	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
17Jan2024
09:36:00 AM MST

PREPARED BY / DATE



Sam Smith
17Jan2024
09:37:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/46c9a6a2-6273-4662-9052-51c7f5112692>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).

Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

46c9a6a262734662905251c7f5112692.1

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Water Soluble D9/CBD

Batch ID or Lot Number:

WS.D9CBD.11272023

Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 1 of 3

Reported:

30Nov2023

Started:

29Nov2023

Received:

28Nov2023

Residual Solvents

Test ID: T000263144

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	96 - 1917	ND	
Butanes (Isobutane, n-Butane)	188 - 3765	ND	
Methanol	70 - 1398	ND	
Pentane	103 - 2059	ND	
Ethanol	110 - 2207	ND	
Acetone	108 - 2162	ND	
Isopropyl Alcohol	116 - 2325	ND	
Hexane	7 - 133	ND	
Ethyl Acetate	112 - 2240	ND	
Benzene	0.2 - 4.4	ND	
Heptanes	107 - 2140	ND	
Toluene	20 - 404	ND	
Xylenes (m,p,o-Xylenes)	147 - 2945	ND	

Final Approval



Karen Winternheimer

30Nov2023

12:48:00 PM MST

PREPARED BY / DATE



Sam Smith

30Nov2023

12:50:00 PM MST

APPROVED BY / DATE

Heavy Metals

Test ID: T000263143

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.32	ND	
Cadmium	0.04 - 4.28	ND	
Mercury	0.04 - 4.24	ND	
Lead	0.04 - 4.34	ND	

Final Approval



Sam Smith

30Nov2023

07:58:00 AM MST

PREPARED BY / DATE



Karen Winternheimer

30Nov2023

08:00:00 AM MST

APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Water Soluble D9/CBD

Batch ID or Lot Number:

WS.D9CBD.11272023

Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 2 of 3

Reported:

30Nov2023

Started:

29Nov2023

Received:

28Nov2023

Pesticides

Test ID: T000263141

Methods: TM17

(LC-QQ LC MS/MS)

Dynamic Range (ppb)

Result (ppb)

Abamectin	385 - 3277	ND
Acephate	43 - 2767	ND
Acetamiprid	42 - 2720	ND
Azoxystrobin	44 - 2764	ND
Bifenazate	44 - 2711	ND
Boscalid	41 - 2623	ND
Carbaryl	43 - 2708	ND
Carbofuran	44 - 2682	ND
Chlorantraniliprole	50 - 2579	ND
Chlorpyrifos	50 - 2781	ND
Clofentezine	283 - 2691	ND
Diazinon	289 - 2727	ND
Dichlorvos	283 - 2752	ND
Dimethoate	43 - 2726	ND
E-Fenpyroximate	286 - 2761	ND
Etofenprox	43 - 2781	ND
Etoxazole	287 - 2702	ND
Fenoxycarb	30 - 2714	ND
Fipronil	49 - 2636	ND
Flonicamid	43 - 2740	ND
Fludioxonil	315 - 2625	ND
Hexythiazox	42 - 2753	ND
Imazalil	263 - 2804	ND
Imidacloprid	43 - 2776	ND
Kresoxim-methyl	45 - 2761	ND

Dynamic Range (ppb)

Result (ppb)

Malathion	280 - 2762	ND
Metalaxyl	46 - 2743	ND
Methiocarb	47 - 2707	ND
Methomyl	44 - 2802	ND
MGK 264 1	164 - 1610	ND
MGK 264 2	113 - 1089	ND
Myclobutanil	17 - 2632	ND
Naled	46 - 2642	ND
Oxamyl	43 - 2793	ND
Paclobutrazol	48 - 2595	ND
Permethrin	260 - 2759	ND
Phosmet	43 - 2585	ND
Prophos	303 - 2679	ND
Propoxur	45 - 2707	ND
Pyridaben	298 - 2830	ND
Spinosad A	32 - 2128	ND
Spinosad D	65 - 685	ND
Spiromesifen	273 - 2747	ND
Spirotetramat	267 - 2754	ND
Spiroxamine 1	16 - 1027	ND
Spiroxamine 2	28 - 1553	ND
Tebuconazole	286 - 2594	ND
Thiacloprid	43 - 2746	ND
Thiamethoxam	40 - 2752	ND
Trifloxystrobin	46 - 2738	ND

Final Approval



Karen Winternheimer

01Dec2023

09:36:00 AM MST

PREPARED BY / DATE



Sam Smith

01Dec2023

09:42:00 AM MST

APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Water Soluble D9/CBD

Batch ID or Lot Number:

WS.D9CBD.11272023

Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 3 of 3

Reported:

30Nov2023

Started:

29Nov2023

Received:

28Nov2023

**Microbial
Contaminants**

Test ID: T000263142

Methods: TM25 (PCR) TM24, TM26,
TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final ApprovalEden Thompson-Wright
01Dec2023
03:12:00 PM MSTBrett Hudson
01Dec2023
04:29:00 PM MST

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/a1e52edf-ab65-4bf3-ac18-d80cd25fd758>**Definitions**

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa * (0.877)) and Total CBD = CBD + (CBDa * (0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa * (0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA](#) for more details.



Cert #4329.02

a1e52edfab654bf3ac18d80cd25fd758.1

Prepared for:
Oliphant Brewing LLC
350 Main St, Ste 2
Somerset, WI USA 54025

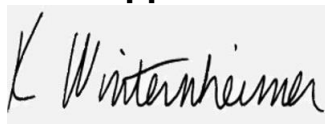
Pink Berry Lemonade # 042424

Batch ID or Lot Number: 042424	Test: Potency	Reported: 25Apr2024	USDA License: N/A
Matrix: Unit	Test ID: T000278067	Started: 23Apr2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 23Apr2024	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.161	0.525	ND	ND	# of Servings = 1, Sample Weight=380g
Cannabichromenic Acid (CBCA)	0.147	0.481	ND	ND	
Cannabidiol (CBD)	0.481	1.345	ND	ND	
Cannabidiolic Acid (CBDA)	0.494	1.380	ND	ND	
Cannabidivarin (CBDV)	0.114	0.318	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.206	0.576	ND	ND	
Cannabigerol (CBG)	0.091	0.298	ND	ND	
Cannabigerolic Acid (CBGA)	0.382	1.247	ND	ND	
Cannabinol (CBN)	0.119	0.389	ND	ND	
Cannabinolic Acid (CBNA)	0.261	0.851	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.455	1.485	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.413	1.349	9.020	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.366	1.195	ND	ND	
Tetrahydrocannabivarin (THCV)	0.083	0.271	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.323	1.054	ND	ND	
Total Cannabinoids			9.020	0.00	
Total Potential THC			9.020	0.00	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
25Apr2024
10:30:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
25Apr2024
10:31:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/e483cdb6-5771-438c-8e85-977477290aab>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02
e483cdb65771438c8e85977477290aab.2

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

WS Full Panel March-April (CBC, CBD, D9)

Batch ID or Lot Number: WS.FP.040824	Test: Heavy Metals	Reported: 16Apr2024	USDA License: NA
Matrix: Finished Product	Test ID: T000276978	Started: 16Apr2024	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 10Apr2024	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.94	ND	
Cadmium	0.05 - 4.64	ND	
Mercury	0.05 - 4.69	ND	
Lead	0.05 - 4.83	ND	

Final Approval



Phillip Travisano
16Apr2024
01:36:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
16Apr2024
03:53:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4e55b0aa-bac9-40e6-a83b-3db0357b8be3>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

4e55b0aabc940e6a83b3db0357b8be3.1

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

WS Full Panel March-April (CBC, CBD, D9)

Batch ID or Lot Number: WS.FP.040824	Test: Microbial Contaminants	Reported: 15Apr2024	USDA License: NA
Matrix: Concentrate	Test ID: T000276977	Started: 10Apr2024	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 10Apr2024	Status: NA

Microbial

Contaminants

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Brett Hudson
15Apr2024
04:35:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
16Apr2024
06:13:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/bd2efd1d-b70a-4ed9-a87d-73bf79c600a7>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

bd2efd1db70a4ed9a87d73bf79c600a7.1

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

WS Full Panel March-April (CBC, CBD, D9)

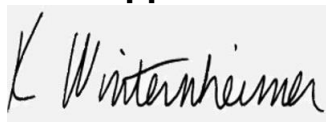
Batch ID or Lot Number: WS.FP.040824	Test: Pesticides	Reported: 24Apr2024	USDA License: NA
Matrix: Concentrate	Test ID: T000278077	Started: 13Apr2024	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 19Apr2024	Status: NA

Pesticides

	Dynamic Range (ppb)	Result (ppb)
Abamectin	324 - 2730	ND
Acephate	44 - 2772	ND
Acetamiprid	42 - 2701	ND
Azoxystrobin	44 - 2758	ND
Bifenazate	45 - 2748	ND
Boscalid	42 - 2714	ND
Carbaryl	40 - 2735	ND
Carbofuran	42 - 2729	ND
Chlorantraniliprole	44 - 2726	ND
Chlorpyrifos	48 - 2796	ND
Clofentezine	270 - 2794	ND
Diazinon	306 - 2749	ND
Dichlorvos	287 - 2725	ND
Dimethoate	41 - 2699	ND
E-Fenpyroximate	283 - 2830	ND
Etofenprox	42 - 2778	ND
Etoxazole	291 - 2705	ND
Fenoxycarb	26 - 2883	ND
Fipronil	33 - 2804	ND
Flonicamid	46 - 2781	ND
Fludioxonil	287 - 2662	ND
Hexythiazox	40 - 2808	ND
Imazalil	284 - 2753	ND
Imidacloprid	47 - 2776	ND
Kresoxim-methyl	42 - 2806	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	312 - 2753	ND
Metalaxyl	44 - 2747	ND
Methiocarb	45 - 2722	ND
Methomyl	43 - 2755	ND
MGK 264 1	171 - 1628	ND
MGK 264 2	115 - 1080	ND
Myclobutanil	44 - 2722	ND
Naled	42 - 2695	ND
Oxamyl	43 - 2751	ND
Paclobutrazol	45 - 2748	ND
Permethrin	287 - 2854	ND
Phosmet	43 - 2616	ND
Prophos	295 - 2691	ND
Propoxur	43 - 2744	ND
Pyridaben	295 - 2795	ND
Spinosad A	31 - 2108	ND
Spinosad D	68 - 680	ND
Spiromesifen	290 - 2782	ND
Spirotetramat	283 - 2841	ND
Spiroxamine 1	17 - 1012	ND
Spiroxamine 2	25 - 1593	ND
Tebuconazole	310 - 2717	ND
Thiacloprid	43 - 2733	ND
Thiamethoxam	39 - 2776	ND
Trifloxystrobin	45 - 2758	ND

Final Approval



Karen Winternheimer
24Apr2024
01:05:00 PM MDT

PREPARED BY / DATE



Phillip Travisano
24Apr2024
01:07:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a592d549-8512-41d1-b921-2e38cef35a35>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

ppb = Parts Per Billion

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

a592d549851241d1b9212e38cef35a35.1

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

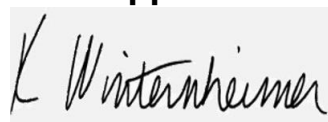
WHITE BEAR LAKE, MN USA 55110

WS Full Panel March-April (CBC, CBD, D9)

Batch ID or Lot Number: WS.FP.040824	Test: Residual Solvents	Reported: 17Apr2024	USDA License: N/A
Matrix: Concentrate	Test ID: T000276979	Started: 15Apr2024	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 10Apr2024	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	97 - 1945	ND	
Butanes (Isobutane, n-Butane)	177 - 3548	ND	
Methanol	68 - 1369	ND	
Pentane	102 - 2049	ND	
Ethanol	103 - 2058	ND	
Acetone	113 - 2258	ND	
Isopropyl Alcohol	110 - 2196	ND	
Hexane	7 - 144	ND	
Ethyl Acetate	115 - 2294	ND	
Benzene	0.2 - 4.6	ND	
Heptanes	110 - 2203	ND	
Toluene	19 - 385	ND	
Xylenes (m,p,o-Xylenes)	129 - 2586	ND	

Final Approval



Karen Winternheimer
16Apr2024
08:46:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
16Apr2024
08:48:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/02577c15-8884-4ce9-9f8b-f431434e0581>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

02577c1588844ce99f8bf431434e0581.1