

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Key Lime Pie 10/11/23

Batch ID or Lot Number: KLP.D9.101123	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: 20Oct2023	Started: 19Oct2023	Received: 19Oct2023	


Cannabinoids


Test ID: T000259381

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.274	0.924	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.251	0.845	ND	ND	
Cannabidiol (CBD)	1.035	2.470	ND	ND	
Cannabidiolic Acid (CBDA)	1.062	2.534	ND	ND	
Cannabidivarin (CBDV)	0.245	0.584	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.443	1.057	ND	ND	
Cannabigerol (CBG)	0.156	0.524	ND	ND	
Cannabigerolic Acid (CBGA)	0.651	2.192	ND	ND	
Cannabinol (CBN)	0.203	0.684	ND	ND	
Cannabinolic Acid (CBNA)	0.444	1.496	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.776	2.612	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.705	2.372	4.820	1.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.624	2.102	ND	ND	
Tetrahydrocannabivarin (THCV)	0.142	0.477	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.551	1.854	ND	ND	
Total Cannabinoids			4.820	1.20	
Total Potential THC			4.820	1.20	
Total Potential CBD			ND	ND	

Final Approval


 Karen Winternheimer
 20Oct2023
 02:23:00 PM MDT
 PREPARED BY / DATE


 Sam Smith
 20Oct2023
 02:26:00 PM MDT
 APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Key Lime Pie 10/11/23

Batch ID or Lot Number: KLP.D9.101123	Test, Test ID and Methods: Various	Matrix: Unit	Page 2 of 5
Reported: 20Oct2023	Started: 19Oct2023	Received: 19Oct2023	

Microbial Contaminants

Test ID: T000259383

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 Approval



Eden Thompson-Wright
23Oct2023
09:58:00 AM MDT

PREPARED BY / DATE



Brett Hudson
23Oct2023
12:50:00 PM MDT

APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Key Lime Pie 10/11/23

Batch ID or Lot Number: KLP.D9.101123	Test, Test ID and Methods: Various	Matrix: Unit	Page 3 of 5
Reported: 20Oct2023	Started: 19Oct2023	Received: 19Oct2023	


Residual Solvents


Test ID: T000259385

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	88 - 1757	ND	
Butanes (Isobutane, n-Butane)	173 - 3469	ND	
Methanol	60 - 1199	ND	
Pentane	89 - 1784	ND	
Ethanol	96 - 1912	ND	
Acetone	96 - 1916	ND	
Isopropyl Alcohol	103 - 2067	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	99 - 1974	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	93 - 1863	ND	
Toluene	18 - 353	ND	
Xylenes (m,p,o-Xylenes)	129 - 2578	ND	

Final Approval


Karen Winternheimer
24Oct2023
03:46:00 PM MDT
PREPARED BY / DATE


Sam Smith
24Oct2023
03:48:00 PM MDT
APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Key Lime Pie 10/11/23

Batch ID or Lot Number: KLP.D9.101123	Test, Test ID and Methods: Various	Matrix: Unit	Page 4 of 5
Reported: 20Oct2023	Started: 19Oct2023	Received: 19Oct2023	


Pesticides


Test ID: T000259382

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	285 - 2621	ND		Malathion	290 - 2740	ND
Acephate	44 - 2875	ND		Metalaxyl	45 - 2686	ND
Acetamiprid	46 - 2783	ND		Methiocarb	43 - 2692	ND
Azoxystrobin	45 - 2697	ND		Methomyl	44 - 2849	ND
Bifenazate	40 - 2645	ND		MGK 264 1	177 - 1656	ND
Boscalid	37 - 2708	ND		MGK 264 2	116 - 1052	ND
Carbaryl	44 - 2656	ND		Myclobutanil	89 - 2626	ND
Carbofuran	47 - 2714	ND		Naled	48 - 2737	ND
Chlorantraniliprole	40 - 2711	ND		Oxamyl	43 - 2836	ND
Chlorpyrifos	41 - 2724	ND		Paclobutrazol	47 - 2697	ND
Clofentezine	275 - 2716	ND		Permethrin	284 - 2728	ND
Diazinon	291 - 2673	ND		Phosmet	45 - 2670	ND
Dichlorvos	336 - 2722	ND		Prophos	306 - 2666	ND
Dimethoate	44 - 2763	ND		Propoxur	44 - 2699	ND
E-Fenpyroximate	278 - 2759	ND		Pyridaben	284 - 2750	ND
Etofenprox	45 - 2697	ND		Spinosad A	36 - 2032	ND
Etoxazole	278 - 2760	ND		Spinosad D	63 - 670	ND
Fenoxycarb	17 - 2699	ND		Spiromesifen	262 - 2730	ND
Fipronil	49 - 2700	ND		Spirotetramat	295 - 2684	ND
Flonicamid	48 - 2802	ND		Spiroxamine 1	18 - 1176	ND
Fludioxonil	294 - 2624	ND		Spiroxamine 2	24 - 1486	ND
Hexythiazox	39 - 2728	ND		Tebuconazole	300 - 2719	ND
Imazalil	267 - 2714	ND		Thiacloprid	44 - 2772	ND
Imidacloprid	45 - 2904	ND		Thiamethoxam	43 - 2849	ND
Kresoxim-methyl	45 - 2652	ND		Trifloxystrobin	45 - 2697	ND

Final Approval


 Karen Winternheimer
 25Oct2023
 08:59:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 25Oct2023
 09:02:00 AM MDT
 APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Key Lime Pie 10/11/23

Batch ID or Lot Number: KLP.D9.101123	Test, Test ID and Methods: Various	Matrix: Unit	Page 5 of 5
Reported: 20Oct2023	Started: 19Oct2023	Received: 19Oct2023	


Heavy Metals

Test ID: T000259384


Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.43	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.05 - 4.67	ND	
Lead	0.05 - 4.64	ND	

Final Approval


Samantha Smith
25Oct2023
01:58:00 PM MDT

PREPARED BY / DATE


Karen Winternheimer
25Oct2023
02:05:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/0ac59d51-5512-4e40-8dbf-5018ad9b96f5>

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

0ac59d5155124e408dbf5018ad9b96f5.1

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Strawberry Lemonade D9 12/01/23

Batch ID or Lot Number: SL.D9.113023	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: 08Dec2023	Started: 08Dec2023	Received: 07Dec2023	


Cannabinoids


Test ID: T000264109

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.295	0.970	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.270	0.887	ND	ND	
Cannabidiol (CBD)	0.793	2.442	ND	ND	
Cannabidiolic Acid (CBDA)	0.814	2.505	ND	ND	
Cannabidivarin (CBDV)	0.188	0.578	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.339	1.045	ND	ND	
Cannabigerol (CBG)	0.167	0.551	ND	ND	
Cannabigerolic Acid (CBGA)	0.700	2.302	ND	ND	
Cannabinol (CBN)	0.218	0.718	ND	ND	
Cannabinolic Acid (CBNA)	0.477	1.571	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.834	2.742	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.757	2.491	5.000	1.30	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.671	2.207	ND	ND	
Tetrahydrocannabivarin (THCV)	0.152	0.501	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.592	1.946	ND	ND	
Total Cannabinoids			5.000	1.30	
Total Potential THC			5.000	1.30	
Total Potential CBD			ND	ND	

Final Approval


 Karen Winternheimer
 08Dec2023
 02:49:00 PM MST
 PREPARED BY / DATE


 Sam Smith
 08Dec2023
 02:51:00 PM MST
 APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Strawberry Lemonade D9 12/01/23

Batch ID or Lot Number: SL.D9.113023	Test, Test ID and Methods: Various	Matrix: Unit	Page 2 of 5
Reported: 08Dec2023	Started: 08Dec2023	Received: 07Dec2023	


Residual Solvents


Test ID: T000264113

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	93 - 1852	ND	
Butanes (Isobutane, n-Butane)	175 - 3497	ND	
Methanol	52 - 1043	ND	
Pentane	89 - 1775	ND	
Ethanol	84 - 1675	ND	
Acetone	85 - 1692	ND	
Isopropyl Alcohol	85 - 1704	ND	
Hexane	5 - 108	ND	
Ethyl Acetate	86 - 1714	ND	
Benzene	0.2 - 3.4	ND	
Heptanes	86 - 1728	ND	
Toluene	15 - 294	ND	
Xylenes (m,p,o-Xylenes)	103 - 2050	ND	

Final Approval


Karen Winternheimer
10Dec2023
08:38:00 AM MST
PREPARED BY / DATE


Sam Smith
10Dec2023
09:01:00 AM MST
APPROVED BY / DATE

Prepared for:
SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Strawberry Lemonade D9 12/01/23

Batch ID or Lot Number: SL.D9.113023	Test, Test ID and Methods: Various	Matrix: Unit	Page 3 of 5
Reported: 08Dec2023	Started: 08Dec2023	Received: 07Dec2023	

Microbial Contaminants

Test ID: T000264111

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 Approval

	Eden Thompson-Wright 11Dec2023 10:06:00 AM MST		Brett Hudson 11Dec2023 10:57:00 AM MST
PREPARED BY / DATE		APPROVED BY / DATE	

Heavy Metals

Test ID: T000264112

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.38	ND	
Cadmium	0.04 - 4.34	ND	
Mercury	0.04 - 4.37	ND	
Lead	0.05 - 4.62	ND	

Final Approval

	Sam Smith 11Dec2023 02:43:00 PM MST		Karen Winternheimer 11Dec2023 02:48:00 PM MST
PREPARED BY / DATE		APPROVED BY / DATE	

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Strawberry Lemonade D9 12/01/23

Batch ID or Lot Number: SL.D9.113023	Test, Test ID and Methods: Various	Matrix: Unit	Page 4 of 5
Reported: 08Dec2023	Started: 08Dec2023	Received: 07Dec2023	


Pesticides


Test ID: T000264110

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	369 - 2756	ND		Malathion	300 - 2705	ND
Acephate	40 - 2759	ND		Metalaxyl	42 - 2722	ND
Acetamiprid	43 - 2717	ND		Methiocarb	38 - 2766	ND
Azoxystrobin	45 - 2715	ND		Methomyl	41 - 2793	ND
Bifenazate	38 - 2712	ND		MGK 264 1	156 - 1616	ND
Boscalid	46 - 2722	ND		MGK 264 2	109 - 1091	ND
Carbaryl	43 - 2699	ND		Myclobutanil	52 - 2695	ND
Carbofuran	45 - 2694	ND		Naled	48 - 2703	ND
Chlorantraniliprole	43 - 2754	ND		Oxamyl	42 - 2788	ND
Chlorpyrifos	29 - 2786	ND		Paclobutrazol	41 - 2700	ND
Clofentezine	291 - 2740	ND		Permethrin	299 - 2784	ND
Diazinon	288 - 2718	ND		Phosmet	42 - 2607	ND
Dichlorvos	276 - 2755	ND		Prophos	295 - 2755	ND
Dimethoate	41 - 2731	ND		Propoxur	44 - 2707	ND
E-Fenpyroximate	292 - 2790	ND		Pyridaben	310 - 2748	ND
Etofenprox	43 - 2761	ND		Spinosad A	34 - 2090	ND
Etoxazole	290 - 2679	ND		Spinosad D	73 - 669	ND
Fenoxycarb	22 - 2752	ND		Spiromesifen	248 - 2750	ND
Fipronil	53 - 2782	ND		Spirotetramat	282 - 2756	ND
Flonicamid	45 - 2796	ND		Spiroxamine 1	16 - 1022	ND
Fludioxonil	302 - 2692	ND		Spiroxamine 2	24 - 1608	ND
Hexythiazox	40 - 2782	ND		Tebuconazole	297 - 2700	ND
Imazalil	264 - 2756	ND		Thiacloprid	43 - 2749	ND
Imidacloprid	40 - 2801	ND		Thiamethoxam	44 - 2773	ND
Kresoxim-methyl	41 - 2740	ND		Trifloxystrobin	46 - 2713	ND

Final Approval


 Karen Winternheimer
 13Dec2023
 09:05:00 AM MST
 PREPARED BY / DATE


 Sam Smith
 13Dec2023
 09:07:00 AM MST
 APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Strawberry Lemonade D9 12/01/23

Batch ID or Lot Number: SL.D9.113023	Test, Test ID and Methods: Various	Matrix: Unit	Page 5 of 5
Reported: 08Dec2023	Started: 08Dec2023	Received: 07Dec2023	



<https://results.botanacor.com/api/v1/coas/uuid/5d7eb263-8915-454d-8d8d-5466c2ae2d71>

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

5d7eb2638915454d8d8d5466c2ae2d71.1

Oliphant Brewing LLC

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

Sample: 2402AIT0145.0319

Strain: n/a
Batch#: 071323; Batch Size: g
Sample Received: 02/12/2024; Report Created: 02/16/2024

Super Kushy Gummy

Ingestible, Soft Chew



0.129%

4.5 mg/serving

Total THC

<LOQ

<LOQ

Total CBD

0.129%

4.5 mg/serving

Total Cannabinoids

Cannabinoids

Date Tested: 02/14/2024

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	0.129	1.287	1.287	4.506	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

oliphant gummy

Batch ID or Lot Number: rbc.d9.071323	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 4
Reported: 20Jul2023	Started: 19Jul2023	Received: 19Jul2023	

Pesticides


Test ID: T000249651


Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	255 - 2854	ND	Malathion	290 - 2681	ND
Acephate	35 - 2872	ND	Metalaxyl	40 - 2674	ND
Acetamiprid	36 - 2787	ND	Methiocarb	41 - 2707	ND
Azoxystrobin	42 - 2668	ND	Methomyl	36 - 2844	ND
Bifenazate	40 - 2672	ND	MGK 264 1	179 - 1660	ND
Boscalid	39 - 2805	ND	MGK 264 2	111 - 1107	ND
Carbaryl	45 - 2743	ND	Myclobutanil	36 - 2673	ND
Carbofuran	41 - 2710	ND	Naled	52 - 2759	ND
Chlorantraniliprole	42 - 2703	ND	Oxamyl	36 - 2840	ND
Chlorpyrifos	40 - 2737	ND	Paclobutrazol	45 - 2705	ND
Clofentezine	281 - 2745	ND	Permethrin	302 - 2697	ND
Diazinon	287 - 2689	ND	Phosmet	42 - 2662	ND
Dichlorvos	256 - 2837	ND	Prophos	282 - 2729	ND
Dimethoate	36 - 2774	ND	Propoxur	42 - 2720	ND
E-Fenpyroximate	348 - 2702	ND	Pyridaben	298 - 2724	ND
Etofenprox	40 - 2694	ND	Spinosad A	30 - 2105	ND
Etoxazole	304 - 2711	ND	Spinosad D	66 - 669	ND
Fenoxycarb	14 - 2677	ND	Spiromesifen	241 - 2719	ND
Fipronil	35 - 2756	ND	Spirotetramat	300 - 2696	ND
Flonicamid	42 - 2861	ND	Spiroxamine 1	18 - 1175	ND
Fludioxonil	299 - 2725	ND	Spiroxamine 2	20 - 1523	ND
Hexythiazox	41 - 2716	ND	Tebuconazole	332 - 2650	ND
Imazalil	286 - 2755	ND	Thiacloprid	36 - 2778	ND
Imidacloprid	38 - 2799	ND	Thiamethoxam	42 - 2801	ND
Kresoxim-methyl	27 - 2685	ND	Trifloxystrobin	43 - 2705	ND

Final Approval


 Sam Smith
 20Jul2023
 07:56:00 AM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 20Jul2023
 07:59:00 AM MDT
 APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

oliphant gummy

Batch ID or Lot Number: rbc.d9.071323	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 4
Reported: 20Jul2023	Started: 19Jul2023	Received: 19Jul2023	


Residual Solvents


Test ID: T000249653

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	97 - 1947	ND	
Butanes (Isobutane, n-Butane)	201 - 4022	ND	
Methanol	56 - 1124	ND	
Pentane	101 - 2018	ND	
Ethanol	91 - 1821	ND	
Acetone	99 - 1970	ND	
Isopropyl Alcohol	91 - 1818	ND	
Hexane	6 - 121	ND	
Ethyl Acetate	97 - 1931	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	98 - 1962	ND	
Toluene	16 - 324	ND	
Xylenes (m,p,o-Xylenes)	108 - 2162	ND	

Final Approval


 Karen Winternheimer
 21Jul2023
 02:46:00 PM MDT
 PREPARED BY / DATE


 Sam Smith
 21Jul2023
 02:48:00 PM MDT
 APPROVED BY / DATE

Prepared for:
SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

oliphant gummy

Batch ID or Lot Number: rbc.d9.071323	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 4 of 4
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Mycotoxins


Test ID: T000249654

Methods: TM18 (UHPLC-QQQ)


LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.50 - 139.86	ND	N/A
Aflatoxin B1	0.97 - 33.23	ND	
Aflatoxin B2	1.14 - 33.26	ND	
Aflatoxin G1	1.23 - 33.16	ND	
Aflatoxin G2	1.14 - 33.49	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

 Sam Smith
27Jul2023
07:32:00 AM MDT

PREPARED BY / DATE

 Karen Winternheimer
27Jul2023
07:37:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/87885fc0-44d2-4ddc-b9e6-baac77add81a>

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 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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