

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Trail Magic Lime Margherita

Batch ID or Lot Number: TMLM.D9.040924	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 4
Reported: 22Apr2024	Started: 22Apr2024	Received: 22Apr2024	

Cannabinoids

Test ID: T000278310

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.329	1.039	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.301	0.950	ND	ND	
Cannabidiol (CBD)	0.931	2.484	ND	ND	
Cannabidiolic Acid (CBDA)	0.955	2.548	ND	ND	
Cannabidivarin (CBDV)	0.220	0.588	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.398	1.063	ND	ND	
Cannabigerol (CBG)	0.187	0.590	ND	ND	
Cannabigerolic Acid (CBGA)	0.781	2.465	ND	ND	
Cannabinol (CBN)	0.244	0.769	ND	ND	
Cannabinolic Acid (CBNA)	0.533	1.682	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.930	2.937	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.845	2.667	5.500	1.40	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.749	2.363	ND	ND	
Tetrahydrocannabivarin (THCV)	0.170	0.536	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.660	2.085	ND	ND	
Total Cannabinoids			5.500	1.40	
Total Potential THC			5.500	1.40	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
22Apr2024
02:19:00 PM MDT

PREPARED BY / DATE



Phillip Travisano
22Apr2024
02:24:00 PM MDT

APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

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Pesticides


Test ID: T000278311


Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	324 - 2730	ND	Malathion	312 - 2753	ND
Acephate	44 - 2772	ND	Metalaxyl	44 - 2747	ND
Acetamiprid	42 - 2701	ND	Methiocarb	45 - 2722	ND
Azoxystrobin	44 - 2758	ND	Methomyl	43 - 2755	ND
Bifenazate	45 - 2748	ND	MGK 264 1	171 - 1628	ND
Boscalid	42 - 2714	ND	MGK 264 2	115 - 1080	ND
Carbaryl	40 - 2735	ND	Myclobutanil	44 - 2722	ND
Carbofuran	42 - 2729	ND	Naled	42 - 2695	ND
Chlorantraniliprole	44 - 2726	ND	Oxamyl	43 - 2751	ND
Chlorpyrifos	48 - 2796	ND	Paclobutrazol	45 - 2748	ND
Clofentezine	270 - 2794	ND	Permethrin	287 - 2854	ND
Diazinon	306 - 2749	ND	Phosmet	43 - 2616	ND
Dichlorvos	287 - 2725	ND	Prophos	295 - 2691	ND
Dimethoate	41 - 2699	ND	Propoxur	43 - 2744	ND
E-Fenpyroximate	283 - 2830	ND	Pyridaben	295 - 2795	ND
Etofenprox	42 - 2778	ND	Spinosad A	31 - 2108	ND
Etoxazole	291 - 2705	ND	Spinosad D	68 - 680	ND
Fenoxycarb	26 - 2883	ND	Spiromesifen	290 - 2782	ND
Fipronil	33 - 2804	ND	Spirotetramat	283 - 2841	ND
Flonicamid	46 - 2781	ND	Spiroxamine 1	17 - 1012	ND
Fludioxonil	287 - 2662	ND	Spiroxamine 2	25 - 1593	ND
Hexythiazox	40 - 2808	ND	Tebuconazole	310 - 2717	ND
Imazalil	284 - 2753	ND	Thiacloprid	43 - 2733	ND
Imidacloprid	47 - 2776	ND	Thiamethoxam	39 - 2776	ND
Kresoxim-methyl	42 - 2806	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

Prepared for:

SUPERIOR MOLECULAR LLC

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Heavy Metals

Test ID: T000278313

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.79	ND	
Cadmium	0.05 - 4.78	ND	
Mercury	0.05 - 4.69	ND	
Lead	0.05 - 4.75	ND	

Final Approval



Karen Winternheimer
25Apr2024
04:13:00 PM MDT

PREPARED BY / DATE



Colin Hendrickson
25Apr2024
04:19:00 PM MDT

APPROVED BY / DATE

Residual Solvents

Test ID: T000278314

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	76 - 1519	ND	
Butanes (Isobutane, n-Butane)	161 - 3217	ND	
Methanol	61 - 1222	ND	
Pentane	82 - 1636	ND	
Ethanol	87 - 1741	ND	
Acetone	95 - 1910	ND	
Isopropyl Alcohol	100 - 2009	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	97 - 1946	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	91 - 1815	ND	
Toluene	17 - 349	ND	
Xylenes (m,p,o-Xylenes)	123 - 2456	ND	

Final Approval



Karen Winternheimer
25Apr2024
08:45:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
25Apr2024
08:46:00 AM MDT

APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000278312

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



Brett Hudson
26Apr2024
10:59:00 AM MDT



Brianne Maillot
26Apr2024
01:09:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/9c7bce7e-aa4b-4072-9d39-86cd70b76d19>

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

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