

Prepared for:

**SUPERIOR MOLECULAR LLC**

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

## Loonies Wild Raspberry 10/23/23

Batch ID or Lot Number: <b>LWR.D9.102323</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: <b>30Oct2023</b>	Started: 27Oct2023	Received: 27Oct2023	

## Microbial Contaminants

Test ID: T000260264

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

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

## Final Approval

  
Eden Thompson-Wright  
30Oct2023  
01:27:00 PM MDT  
PREPARED BY / DATE

  
Brianne Maillot  
30Oct2023  
02:04:00 PM MDT  
APPROVED BY / DATE

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## Cannabinoids

Test ID: T000260262

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.195	0.678	ND	ND	# of Servings = 1, Sample Weight=3g
Cannabichromenic Acid (CBCA)	0.178	0.620	ND	ND	
Cannabidiol (CBD)	0.716	1.734	ND	ND	
Cannabidiolic Acid (CBDA)	0.734	1.779	ND	ND	
Cannabidivarin (CBDV)	0.169	0.410	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.306	0.742	ND	ND	
Cannabigerol (CBG)	0.111	0.385	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.463	1.609	ND	ND	
Cannabinol (CBN)	0.144	0.502	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.316	1.098	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.551	1.917	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.501	1.741	5.330	1.80	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.444	1.542	ND	ND	
Tetrahydrocannabivarin (THCV)	0.101	0.350	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.391	1.360	ND	ND	
<b>Total Cannabinoids</b>			<b>5.330</b>	<b>1.80</b>	
Total Potential THC			5.330	1.80	
Total Potential CBD			ND	ND	

## Final Approval

  
Samantha Smith  
30Oct2023  
01:52:00 PM MDT

PREPARED BY / DATE

  
Karen Winternheimer  
30Oct2023  
01:57:00 PM MDT

APPROVED BY / DATE

Prepared for:

**SUPERIOR MOLECULAR LLC**

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### Residual Solvents

Test ID: T000260266

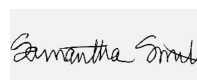
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	103 - 2061	ND	
Butanes (Isobutane, n-Butane)	203 - 4051	ND	
Methanol	68 - 1369	ND	
Pentane	105 - 2107	ND	
Ethanol	109 - 2186	ND	
Acetone	109 - 2182	ND	
Isopropyl Alcohol	119 - 2378	ND	
Hexane	7 - 134	ND	
Ethyl Acetate	112 - 2241	ND	
Benzene	0.2 - 4.4	ND	
Heptanes	108 - 2155	ND	
Toluene	20 - 401	ND	
Xylenes (m,p,o-Xylenes)	147 - 2932	ND	

### Final Approval

 Karen Winternheimer  
31Oct2023  
09:08:00 AM MDT

PREPARED BY / DATE

 Sam Smith  
31Oct2023  
09:10:00 AM MDT

APPROVED BY / DATE


### Heavy Metals

Test ID: T000260265


Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.32	ND	
Cadmium	0.05 - 4.62	ND	
Mercury	0.04 - 4.43	ND	
Lead	0.06 - 5.58	ND	

### Final Approval

 Sam Smith  
02Nov2023  
01:02:00 PM MDT

PREPARED BY / DATE

 Karen Winternheimer  
02Nov2023  
01:12:00 PM MDT

APPROVED BY / DATE

Prepared for:

**SUPERIOR MOLECULAR LLC**

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### Pesticides


Test ID: T000260263

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	323 - 2856	ND		Malathion	288 - 2644	ND
Acephate	43 - 2689	ND		Metalaxyl	42 - 2661	ND
Acetamiprid	42 - 2679	ND		Methiocarb	46 - 2675	ND
Azoxystrobin	44 - 2663	ND		Methomyl	43 - 2708	ND
Bifenazate	44 - 2666	ND		MGK 264 1	158 - 1606	ND
Boscalid	42 - 2654	ND		MGK 264 2	108 - 1083	ND
Carbaryl	41 - 2678	ND		Myclobutanil	51 - 2691	ND
Carbofuran	47 - 2640	ND		Naled	44 - 2648	ND
Chlorantraniliprole	43 - 2675	ND		Oxamyl	44 - 2722	ND
Chlorpyrifos	42 - 2748	ND		Paclobutrazol	44 - 2667	ND
Clofentezine	269 - 2680	ND		Permethrin	293 - 2776	ND
Diazinon	272 - 2675	ND		Phosmet	45 - 2545	ND
Dichlorvos	258 - 2738	ND		Prophos	280 - 2684	ND
Dimethoate	43 - 2617	ND		Propoxur	45 - 2661	ND
E-Fenpyroximate	282 - 2766	ND		Pyridaben	292 - 2733	ND
Etofenprox	45 - 2792	ND		Spinosad A	33 - 2080	ND
Etoxazole	281 - 2669	ND		Spinosad D	62 - 673	ND
Fenoxycarb	42 - 2699	ND		Spiromesifen	265 - 2742	ND
Fipronil	30 - 2741	ND		Spirotetramat	284 - 2702	ND
Flonicamid	50 - 2736	ND		Spiroxamine 1	17 - 998	ND
Fludioxonil	285 - 2644	ND		Spiroxamine 2	27 - 1557	ND
Hexythiazox	43 - 2789	ND		Tebuconazole	279 - 2638	ND
Imazalil	265 - 2708	ND		Thiacloprid	43 - 2700	ND
Imidacloprid	46 - 2726	ND		Thiamethoxam	42 - 2694	ND
Kresoxim-methyl	44 - 2675	ND		Trifloxystrobin	48 - 2684	ND

### Final Approval

  
 Sam Smith  
 06Nov2023  
 07:06:00 AM MST  
 PREPARED BY / DATE

  
 Karen Winternheimer  
 06Nov2023  
 07:14:00 AM MST  
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/6bce5914-6e1f-487f-93cb-f25fe03fb8fd>

### 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: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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](#).



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