

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

BlueRasp.Gum.5mg.D9.7.21.22

Batch ID or Lot Number: Blue Rasp Gummy 5mg D9 7.21.22	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 4
Reported: 26Jul2022	Started: 25Jul2022	Received: 22Jul2022	


Heavy Metals

Test ID: T000215238

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.62	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.54	ND	
Lead	0.04 - 4.47	ND	

Final Approval


Sam Smith
26Jul2022
11:20:00 AM MDT

PREPARED BY / DATE


Kayla Phye
26Jul2022
11:56:00 AM MDT

APPROVED BY / DATE

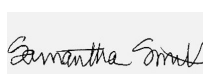
Cannabinoids

Test ID: T000215235

Methods: TM14 (HPLC-DAD)

Methods	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.012	0.033	ND	ND	
Cannabichromenic Acid (CBCA)	0.011	0.030	ND	ND	
Cannabidiol (CBD)	0.033	0.085	ND	ND	
Cannabidiolic Acid (CBDA)	0.034	0.087	ND	ND	
Cannabidivarin (CBDV)	0.008	0.020	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.014	0.036	ND	ND	
Cannabigerol (CBG)	0.007	0.019	0.010	0.10	
Cannabigerolic Acid (CBGA)	0.028	0.079	ND	ND	
Cannabinol (CBN)	0.009	0.025	ND	ND	
Cannabinolic Acid (CBNA)	0.019	0.054	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.034	0.094	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.030	0.085	0.120	1.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.027	0.076	ND	ND	
Tetrahydrocannabivarin (THCV)	0.006	0.017	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.024	0.067	ND	ND	
Total Cannabinoids			0.130	1.30	
Total Potential THC			0.120	1.20	
Total Potential CBD			ND	ND	

Final Approval


Sam Smith
26Jul2022
04:22:00 PM MDT

PREPARED BY / DATE


Jacob Miller
26Jul2022
04:30:00 PM MDT

APPROVED BY / DATE

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Pesticides


Test ID: T000215236

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	348 - 2645	ND		Malathion	287 - 2705	ND
Acephate	41 - 2741	ND		Metalaxyl	44 - 2700	ND
Acetamiprid	39 - 2746	ND		Methiocarb	38 - 2658	ND
Azoxystrobin	44 - 2713	ND		Methomyl	41 - 2740	ND
Bifenazate	46 - 2674	ND		MGK 264 1	171 - 1601	ND
Boscalid	45 - 2674	ND		MGK 264 2	110 - 1137	ND
Carbaryl	39 - 2760	ND		Myclobutanil	29 - 2617	ND
Carbofuran	41 - 2720	ND		Naled	43 - 2774	ND
Chlorantraniliprole	45 - 2658	ND		Oxamyl	40 - 2721	ND
Chlorpyrifos	35 - 2733	ND		Paclobutrazol	43 - 2755	ND
Clofentezine	274 - 2760	ND		Permethrin	294 - 2701	ND
Diazinon	289 - 2714	ND		Phosmet	41 - 2663	ND
Dichlorvos	282 - 2749	ND		Prophos	305 - 2651	ND
Dimethoate	41 - 2717	ND		Propoxur	42 - 2730	ND
E-Fenpyroximate	276 - 2754	ND		Pyridaben	270 - 2739	ND
Etofenprox	42 - 2726	ND		Spinosad A	32 - 2225	ND
Etoxazole	296 - 2696	ND		Spinosad D	52 - 490	ND
Fenoxycarb	35 - 2655	ND		Spiromesifen	276 - 2737	ND
Fipronil	44 - 2831	ND		Spirotetramat	289 - 2712	ND
Flonicamid	48 - 2728	ND		Spiroxamine 1	16 - 1140	ND
Fludioxonil	312 - 2669	ND		Spiroxamine 2	24 - 1534	ND
Hexythiazox	39 - 2726	ND		Tebuconazole	292 - 2708	ND
Imazalil	270 - 2742	ND		Thiacloprid	40 - 2722	ND
Imidacloprid	34 - 2726	ND		Thiamethoxam	36 - 2766	ND
Kresoxim-methyl	41 - 2727	ND		Trifloxystrobin	44 - 2756	ND

Final Approval


 Sam Smith
 28Jul2022
 02:10:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 28Jul2022
 02:12:00 PM MDT
 APPROVED BY / DATE

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SUPERIOR MOLECULAR LLC

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Microbial Contaminants

Test ID: T000215237

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

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/g	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



Carly Bader
28Jul2022
01:19:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
28Jul2022
02:30:00 PM MDT

APPROVED BY / DATE

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Residual Solvents

Test ID: T000215239


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	78 - 1565	ND	
Butanes (Isobutane, n-Butane)	167 - 3342	ND	
Methanol	63 - 1270	ND	
Pentane	96 - 1920	ND	
Ethanol	104 - 2074	ND	
Acetone	104 - 2087	ND	
Isopropyl Alcohol	119 - 2374	ND	
Hexane	7 - 141	ND	
Ethyl Acetate	115 - 2305	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	101 - 2010	ND	
Toluene	19 - 376	ND	
Xylenes (m,p,o-Xylenes)	143 - 2853	ND	

Final Approval


Samantha Smith
26Jul2022
10:31:00 AM MDT

PREPARED BY / DATE


Jacob Miller
26Jul2022
10:34:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/6b97403e-449e-4b2e-bb93-45ee5cb2f2d3>

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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