

Prepared for:
SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Orange (Kite Soda)

Batch ID or Lot Number: O.KS.D9.092723	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 03Oct2023	Started: 29Sep2023	Received: 29Sep2023	

Microbial Contaminants

Test ID: T000257533

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


Brienne Maillot
02Oct2023
03:54:00 PM MDT
PREPARED BY / DATE


Eden Thompson-Wright
03Oct2023
09:19:00 AM MDT
APPROVED BY / DATE


Heavy Metals


Test ID: T000257534

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.76	ND	
Cadmium	0.05 - 4.76	ND	
Mercury	0.05 - 4.68	ND	
Lead	0.05 - 4.69	ND	

Final Approval


Sam Smith
03Oct2023
12:57:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
03Oct2023
01:01:00 PM MDT
APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

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WHITE BEAR LAKE, MN USA 55110

Orange (Kite Soda)

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Reported: 03Oct2023	Started: 29Sep2023	Received: 29Sep2023	


Residual Solvents


Test ID: T000257535

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	90 - 1806	ND	
Butanes (Isobutane, n-Butane)	182 - 3636	ND	
Methanol	60 - 1203	ND	
Pentane	94 - 1889	ND	
Ethanol	102 - 2033	ND	
Acetone	97 - 1944	ND	
Isopropyl Alcohol	106 - 2124	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	101 - 2024	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	98 - 1962	ND	
Toluene	19 - 371	ND	
Xylenes (m,p,o-Xylenes)	139 - 2781	ND	

Final Approval


Karen Winternheimer
04Oct2023
10:57:00 AM MDT
PREPARED BY / DATE


Sam Smith
04Oct2023
10:59:00 AM MDT
APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

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WHITE BEAR LAKE, MN USA 55110

Orange (Kite Soda)

Batch ID or Lot Number: O.KS.D9.092723	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 3 of 5
Reported: 03Oct2023	Started: 29Sep2023	Received: 29Sep2023	


Cannabinoids

Test ID: T000257531


Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.308	0.989	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.282	0.904	ND	ND	
Cannabidiol (CBD)	0.901	2.545	ND	ND	
Cannabidiolic Acid (CBDA)	0.924	2.611	ND	ND	
Cannabidivarin (CBDV)	0.213	0.602	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.385	1.089	ND	ND	
Cannabigerol (CBG)	0.175	0.561	ND	ND	
Cannabigerolic Acid (CBGA)	0.732	2.346	ND	ND	
Cannabinol (CBN)	0.228	0.732	ND	ND	
Cannabinolic Acid (CBNA)	0.499	1.601	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.872	2.795	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.792	2.539	4.890	1.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.702	2.249	ND	ND	
Tetrahydrocannabivarin (THCV)	0.159	0.511	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.619	1.984	ND	ND	
Total Cannabinoids			4.890	1.20	
Total Potential THC			4.890	1.20	
Total Potential CBD			ND	ND	

Final Approval


Sam Smith
04Oct2023
11:35:00 AM MDT

PREPARED BY / DATE


Karen Winternheimer
04Oct2023
11:39:00 AM MDT

APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

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Orange (Kite Soda)

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Reported: 03Oct2023	Started: 29Sep2023	Received: 29Sep2023	


Pesticides


Test ID: T000257532

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	346 - 2757	ND		Malathion	295 - 2760	ND
Acephate	42 - 2746	ND		Metalaxyl	41 - 2728	ND
Acetamiprid	45 - 2715	ND		Methiocarb	47 - 2726	ND
Azoxystrobin	46 - 2708	ND		Methomyl	41 - 2731	ND
Bifenazate	48 - 2725	ND		MGK 264 1	155 - 1703	ND
Boscalid	48 - 2750	ND		MGK 264 2	109 - 1090	ND
Carbaryl	42 - 2724	ND		Myclobutanil	131 - 2721	ND
Carbofuran	43 - 2718	ND		Naled	47 - 2763	ND
Chlorantraniliprole	42 - 2734	ND		Oxamyl	43 - 2714	ND
Chlorpyrifos	47 - 2793	ND		Paclobutrazol	45 - 2736	ND
Clofentezine	281 - 2761	ND		Permethrin	300 - 2735	ND
Diazinon	293 - 2764	ND		Phosmet	47 - 2701	ND
Dichlorvos	269 - 2730	ND		Prophos	285 - 2671	ND
Dimethoate	46 - 2733	ND		Propoxur	43 - 2756	ND
E-Fenpyroximate	307 - 2785	ND		Pyridaben	303 - 2742	ND
Etofenprox	46 - 2774	ND		Spinosad A	30 - 2083	ND
Etoxazole	318 - 2747	ND		Spinosad D	71 - 662	ND
Fenoxycarb	44 - 2689	ND		Spiromesifen	287 - 2776	ND
Fipronil	39 - 2814	ND		Spirotetramat	305 - 2796	ND
Flonicamid	48 - 2742	ND		Spiroxamine 1	20 - 1187	ND
Fludioxonil	317 - 2708	ND		Spiroxamine 2	25 - 1511	ND
Hexythiazox	43 - 2713	ND		Tebuconazole	301 - 2757	ND
Imazalil	284 - 2754	ND		Thiacloprid	44 - 2726	ND
Imidacloprid	43 - 2734	ND		Thiamethoxam	42 - 2747	ND
Kresoxim-methyl	42 - 2745	ND		Trifloxystrobin	43 - 2721	ND

Final Approval


 Karen Winternheimer
 05Oct2023
 01:48:00 PM MDT
 PREPARED BY / DATE


 Sam Smith
 05Oct2023
 01:50:00 PM MDT
 APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Orange (Kite Soda)

Batch ID or Lot Number: O.KS.D9.092723	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 5 of 5
Reported: 03Oct2023	Started: 29Sep2023	Received: 29Sep2023	



<https://results.botanacor.com/api/v1/coas/uuid/7113fc4b-9818-4f27-950f-ee3c286b8066>

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](#).



Cert #4329.02
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Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Root Beer Float

Batch ID or Lot Number: RBF.D9.092723	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: 29Sep2023	Started: 29Sep2023	Received: 29Sep2023	


Cannabinoids

Test ID: T000257526


Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.291	0.000	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.266	0.000	ND	ND	
Cannabidiol (CBD)	0.889	0.000	ND	ND	
Cannabidiolic Acid (CBDA)	0.912	0.000	ND	ND	
Cannabidivarin (CBDV)	0.210	0.000	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.380	0.000	ND	ND	
Cannabigerol (CBG)	0.165	0.000	ND	ND	
Cannabigerolic Acid (CBGA)	0.690	0.000	ND	ND	
Cannabinol (CBN)	0.215	0.000	ND	ND	
Cannabinolic Acid (CBNA)	0.471	0.000	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.822	0.000	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.747	0.000	5.400	1.40	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.661	0.000	ND	ND	
Tetrahydrocannabivarin (THCV)	0.150	0.000	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.583	0.000	ND	ND	
Total Cannabinoids			5.400	1.40	
Total Potential THC			5.400	1.40	
Total Potential CBD			ND	ND	

Final Approval


Sam Smith
29Sep2023
03:13:00 PM MDT

PREPARED BY / DATE


Karen Winternheimer
29Sep2023
03:15:00 PM MDT

APPROVED BY / DATE

Prepared for:
SUPERIOR MOLECULAR LLC

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Root Beer Float

Batch ID or Lot Number: RBF.D9.092723	Test, Test ID and Methods: Various	Matrix: Unit	Page 2 of 5
Reported: 29Sep2023	Started: 29Sep2023	Received: 29Sep2023	

Microbial Contaminants

Test ID: T000257528

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


Brianne Maillot
02Oct2023
03:54:00 PM MDT
PREPARED BY / DATE


Eden Thompson-Wright
03Oct2023
09:19:00 AM MDT
APPROVED BY / DATE


Heavy Metals


Test ID: T000257529

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.76	ND	
Cadmium	0.05 - 4.76	ND	
Mercury	0.05 - 4.68	ND	
Lead	0.05 - 4.69	ND	

Final Approval


Samantha Smith
03Oct2023
12:57:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
03Oct2023
01:01:00 PM MDT
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Root Beer Float

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Reported: 29Sep2023	Started: 29Sep2023	Received: 29Sep2023	


Residual Solvents


Test ID: T000257530

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	84 - 1676	ND	
Butanes (Isobutane, n-Butane)	169 - 3375	ND	
Methanol	56 - 1117	ND	
Pentane	88 - 1754	ND	
Ethanol	94 - 1887	ND	
Acetone	90 - 1804	ND	
Isopropyl Alcohol	99 - 1971	ND	
Hexane	5 - 108	ND	
Ethyl Acetate	94 - 1879	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	91 - 1821	ND	
Toluene	17 - 344	ND	
Xylenes (m,p,o-Xylenes)	129 - 2581	ND	

Final Approval


Karen Winternheimer
04Oct2023
10:57:00 AM MDT
PREPARED BY / DATE


Sam Smith
04Oct2023
10:59:00 AM MDT
APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

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Root Beer Float

Batch ID or Lot Number: RBF.D9.092723	Test, Test ID and Methods: Various	Matrix: Unit	Page 4 of 5
Reported: 29Sep2023	Started: 29Sep2023	Received: 29Sep2023	


Pesticides


Test ID: T000257527

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	346 - 2757	ND		Malathion	295 - 2760	ND
Acephate	42 - 2746	ND		Metalaxyl	41 - 2728	ND
Acetamiprid	45 - 2715	ND		Methiocarb	47 - 2726	ND
Azoxystrobin	46 - 2708	ND		Methomyl	41 - 2731	ND
Bifenazate	48 - 2725	ND		MGK 264 1	155 - 1703	ND
Boscalid	48 - 2750	ND		MGK 264 2	109 - 1090	ND
Carbaryl	42 - 2724	ND		Myclobutanil	131 - 2721	ND
Carbofuran	43 - 2718	ND		Naled	47 - 2763	ND
Chlorantraniliprole	42 - 2734	ND		Oxamyl	43 - 2714	ND
Chlorpyrifos	47 - 2793	ND		Paclobutrazol	45 - 2736	ND
Clofentezine	281 - 2761	ND		Permethrin	300 - 2735	ND
Diazinon	293 - 2764	ND		Phosmet	47 - 2701	ND
Dichlorvos	269 - 2730	ND		Prophos	285 - 2671	ND
Dimethoate	46 - 2733	ND		Propoxur	43 - 2756	ND
E-Fenpyroximate	307 - 2785	ND		Pyridaben	303 - 2742	ND
Etofenprox	46 - 2774	ND		Spinosad A	30 - 2083	ND
Etoxazole	318 - 2747	ND		Spinosad D	71 - 662	ND
Fenoxycarb	44 - 2689	ND		Spiromesifen	287 - 2776	ND
Fipronil	39 - 2814	ND		Spirotetramat	305 - 2796	ND
Fonicamid	48 - 2742	ND		Spiroxamine 1	20 - 1187	ND
Fludioxonil	317 - 2708	ND		Spiroxamine 2	25 - 1511	ND
Hexythiazox	43 - 2713	ND		Tebuconazole	301 - 2757	ND
Imazalil	284 - 2754	ND		Thiacloprid	44 - 2726	ND
Imidacloprid	43 - 2734	ND		Thiamethoxam	42 - 2747	ND
Kresoxim-methyl	42 - 2745	ND		Trifloxystrobin	43 - 2721	ND

Final Approval


 Karen Winternheimer
 05Oct2023
 01:48:00 PM MDT
 PREPARED BY / DATE


 Sam Smith
 05Oct2023
 01:50:00 PM MDT
 APPROVED BY / DATE

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Root Beer Float

Batch ID or Lot Number: RBF.D9.092723	Test, Test ID and Methods: Various	Matrix: Unit	Page 5 of 5
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<https://results.botanacor.com/api/v1/coas/uuid/9ff71851-d189-4a85-8c1b-b7c2eed19aa0>

Definitions

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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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