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CERTIFICATE OF ANALYSIS

Prepared for:
SUPERIOR MOLECULAR LLC
4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Kite Soda Root Beer Float 10/31/2023 RETEST

Batch ID or Lot Number:	Test:	Reported:	USDA License:
RBF.D9.103123	**Potency**	**15Feb2024**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000271022	15Feb2024	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	15Feb2024	N/A

Cannabinoids

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.323	1.073	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.296	0.981	ND	ND	
Cannabidiol (CBD)	1.069	2.817	ND	ND	
Cannabidiolic Acid (CBDA)	1.096	2.889	ND	ND	
Cannabidivarin (CBDV)	0.253	0.666	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.457	1.205	ND	ND	
Cannabigerol (CBG)	0.184	0.609	ND	ND	
Cannabigerolic Acid (CBGA)	0.767	2.546	ND	ND	
Cannabinol (CBN)	0.239	0.795	ND	ND	
Cannabinolic Acid (CBNA)	0.523	1.737	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.914	3.033	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.830	2.755	5.480	1.40	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.735	2.441	ND	ND	
Tetrahydrocannabivarin (THCV)	0.167	0.554	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.649	2.153	ND	ND	
Total Cannabinoids			**5.480**	**1.40**	
Total Potential THC			5.480	1.40	
Total Potential CBD			ND	ND	

Final Approval

Karen Winternheimer
15Feb2024
03:15:00 PM MST
PREPARED BY / DATE

Sam Smith
15Feb2024
03:17:00 PM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/456a6331-253e-4866-897f-21fda893f82a

Definitions
% = % (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)).

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SUPERIOR MOLECULAR LLC
4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Kite Soda Root Beer Float 10/31/23

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
RBF.D9.103123	Various	Unit	
Reported:	Started:	Received:	
06Nov2023	06Nov2023	03Nov2023	

Microbial Contaminants

Test ID: T000260861
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
Salmonella	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
06Nov2023
12:22:00 PM MST
PREPARED BY / DATE

Brianne Maillot
06Nov2023
12:49:00 PM MST
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

Prepared for:
SUPERIOR MOLECULAR LLC
4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Kite Soda Root Beer Float 10/31/23

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
RBF.D9.103123	Various	Unit	
Reported:	Started:	Received:	
06Nov2023	06Nov2023	03Nov2023	

Residual Solvents

Test ID: T000260863
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	84 - 1674	ND	
Butanes (Isobutane, n-Butane)	164 - 3273	ND	
Methanol	64 - 1284	ND	
Pentane	93 - 1863	ND	
Ethanol	103 - 2060	ND	
Acetone	102 - 2047	ND	
Isopropyl Alcohol	113 - 2253	ND	
Hexane	6 - 121	ND	
Ethyl Acetate	106 - 2120	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	103 - 2055	ND	
Toluene	19 - 375	ND	
Xylenes (m,p,o-Xylenes)	136 - 2729	ND	

Final Approval

Sam Smith
07Nov2023
09:19:00 AM MST
PREPARED BY / DATE

Karen Winternheimer
07Nov2023
09:21:00 AM MST
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Prepared for:
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4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Kite Soda Root Beer Float 10/31/23

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 4 of 5
RBF.D9.103123	Various	Unit	
Reported:	Started:	Received:	
06Nov2023	06Nov2023	03Nov2023	

Pesticides

Test ID: T000260860
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	331 - 2667	ND
Acephate	40 - 2783	ND
Acetamiprid	42 - 2733	ND
Azoxystrobin	45 - 2699	ND
Bifenazate	42 - 2750	ND
Boscalid	40 - 2737	ND
Carbaryl	39 - 2640	ND
Carbofuran	44 - 2678	ND
Chlorantraniliprole	43 - 2698	ND
Chlorpyrifos	43 - 2706	ND
Clofentezine	288 - 2730	ND
Diazinon	284 - 2678	ND
Dichlorvos	290 - 2795	ND
Dimethoate	43 - 2719	ND
E-Fenpyroximate	284 - 2746	ND
Etofenprox	47 - 2720	ND
Etoxazole	288 - 2626	ND
Fenoxycarb	46 - 2652	ND
Fipronil	49 - 2780	ND
Flonicamid	46 - 2805	ND
Fludioxonil	301 - 2732	ND
Hexythiazox	43 - 2781	ND
Imazalil	267 - 2711	ND
Imidacloprid	50 - 2788	ND
Kresoxim-methyl	49 - 2705	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	286 - 2685	ND
Metalaxyl	43 - 2718	ND
Methiocarb	45 - 2694	ND
Methomyl	41 - 2768	ND
MGK 264 1	166 - 1591	ND
MGK 264 2	104 - 1084	ND
Myclobutanil	54 - 2688	ND
Naled	44 - 2649	ND
Oxamyl	41 - 2793	ND
Paclobutrazol	43 - 2664	ND
Permethrin	284 - 2791	ND
Phosmet	41 - 2577	ND
Prophos	301 - 2715	ND
Propoxur	42 - 2685	ND
Pyridaben	289 - 2780	ND
Spinosad A	31 - 2077	ND
Spinosad D	64 - 671	ND
Spiromesifen	278 - 2762	ND
Spirotetramat	277 - 2736	ND
Spiroxamine 1	16 - 1010	ND
Spiroxamine 2	26 - 1601	ND
Tebuconazole	288 - 2801	ND
Thiacloprid	44 - 2769	ND
Thiamethoxam	43 - 2808	ND
Trifloxystrobin	44 - 2705	ND

Final Approval

Karen Winternheimer
10Nov2023
09:29:00 AM MST
PREPARED BY / DATE

Sam Smith
10Nov2023
09:32:00 AM MST
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

Prepared for:
SUPERIOR MOLECULAR LLC
4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Kite Soda Root Beer Float 10/31/23

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 5
RBF.D9.103123	Various	Unit	
Reported:	Started:	Received:	
06Nov2023	06Nov2023	03Nov2023	

Heavy Metals

Test ID: T000260862
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.08	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.05 - 4.55	ND	
Lead	0.05 - 4.55	ND	

Final Approval

Sam Smith
10Nov2023
10:21:00 AM MST
PREPARED BY / DATE

Karen Winternheimer
10Nov2023
10:26:00 AM MST
APPROVED BY / DATE

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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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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CERTIFICATE OF ANALYSIS

Prepared for:
SUPERIOR MOLECULAR LLC
4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

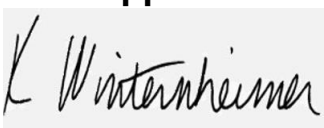
Kite Soda Orange 11/01/2023 RESTEST

Batch ID or Lot Number:	Test:	Reported:	USDA License:
ORA.D9.110123	**Potency**	**15Feb2024**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000271021	15Feb2024	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	15Feb2024	N/A

Cannabinoids

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.308	1.022	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.282	0.935	ND	ND	
Cannabidiol (CBD)	1.018	2.683	ND	ND	
Cannabidiolic Acid (CBDA)	1.044	2.752	ND	ND	
Cannabidivarin (CBDV)	0.241	0.635	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.436	1.148	ND	ND	
Cannabigerol (CBG)	0.175	0.580	ND	ND	
Cannabigerolic Acid (CBGA)	0.731	2.425	ND	ND	
Cannabinol (CBN)	0.228	0.757	ND	ND	
Cannabinolic Acid (CBNA)	0.499	1.655	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.871	2.889	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.791	2.624	5.120	1.30	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.701	2.325	ND	ND	
Tetrahydrocannabivarin (THCV)	0.159	0.528	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.618	2.051	ND	ND	
Total Cannabinoids			**5.120**	**1.30**	
Total Potential THC			5.120	1.30	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
15Feb2024
03:15:00 PM MST

PREPARED BY / DATE

Sam Smith
15Feb2024
03:17:00 PM MST

APPROVED BY / DATE

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Definitions
% = % (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)).

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4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Kite Soda Orange 11/01/23

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
ORA.D9.110123	Various	Unit	
Reported:	Started:	Received:	
06Nov2023	06Nov2023	03Nov2023	

Microbial Contaminants

Test ID: T000260856
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
Salmonella	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
06Nov2023
12:22:00 PM MST
PREPARED BY / DATE

Brianne Maillot
06Nov2023
12:49:00 PM MST
APPROVED BY / DATE

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SUPERIOR MOLECULAR LLC
4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Kite Soda Orange 11/01/23

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 3 of 5
ORA.D9.110123	Various	Unit	
Reported:	Started:	Received:	
06Nov2023	06Nov2023	03Nov2023	

Residual Solvents

Test ID: T000260858
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	78 - 1550	ND	
Butanes (Isobutane, n-Butane)	152 - 3030	ND	
Methanol	59 - 1189	ND	
Pentane	86 - 1725	ND	
Ethanol	95 - 1907	ND	
Acetone	95 - 1895	ND	
Isopropyl Alcohol	104 - 2086	ND	
Hexane	6 - 112	ND	
Ethyl Acetate	98 - 1963	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	95 - 1903	ND	
Toluene	17 - 347	ND	
Xylenes (m,p,o-Xylenes)	126 - 2527	ND	

Final Approval

Sam Smith
07Nov2023
09:19:00 AM MST
PREPARED BY / DATE

Karen Winternheimer
07Nov2023
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Kite Soda Orange 11/01/23

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 4 of 5
ORA.D9.110123	Various	Unit	

Reported:	Started:	Received:
06Nov2023	06Nov2023	03Nov2023

Pesticides

Test ID: T000260855
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	331 - 2667	ND
Acephate	40 - 2783	ND
Acetamiprid	42 - 2733	ND
Azoxystrobin	45 - 2699	ND
Bifenazate	42 - 2750	ND
Boscalid	40 - 2737	ND
Carbaryl	39 - 2640	ND
Carbofuran	44 - 2678	ND
Chlorantraniliprole	43 - 2698	ND
Chlorpyrifos	43 - 2706	ND
Clofentezine	288 - 2730	ND
Diazinon	284 - 2678	ND
Dichlorvos	290 - 2795	ND
Dimethoate	43 - 2719	ND
E-Fenpyroximate	284 - 2746	ND
Etofenprox	47 - 2720	ND
Etoxazole	288 - 2626	ND
Fenoxycarb	46 - 2652	ND
Fipronil	49 - 2780	ND
Flonicamid	46 - 2805	ND
Fludioxonil	301 - 2732	ND
Hexythiazox	43 - 2781	ND
Imazalil	267 - 2711	ND
Imidacloprid	50 - 2788	ND
Kresoxim-methyl	49 - 2705	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	286 - 2685	ND
Metalaxyl	43 - 2718	ND
Methiocarb	45 - 2694	ND
Methomyl	41 - 2768	ND
MGK 264 1	166 - 1591	ND
MGK 264 2	104 - 1084	ND
Myclobutanil	54 - 2688	ND
Naled	44 - 2649	ND
Oxamyl	41 - 2793	ND
Paclobutrazol	43 - 2664	ND
Permethrin	284 - 2791	ND
Phosmet	41 - 2577	ND
Prophos	301 - 2715	ND
Propoxur	42 - 2685	ND
Pyridaben	289 - 2780	ND
Spinosad A	31 - 2077	ND
Spinosad D	64 - 671	ND
Spiromesifen	278 - 2762	ND
Spirotetramat	277 - 2736	ND
Spiroxamine 1	16 - 1010	ND
Spiroxamine 2	26 - 1601	ND
Tebuconazole	288 - 2801	ND
Thiacloprid	44 - 2769	ND
Thiamethoxam	43 - 2808	ND
Trifloxystrobin	44 - 2705	ND

Final Approval

Karen Winternheimer
10Nov2023
09:29:00 AM MST
PREPARED BY / DATE

Sam Smith
10Nov2023
09:32:00 AM MST
APPROVED BY / DATE

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SUPERIOR MOLECULAR LLC
4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Kite Soda Orange 11/01/23

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 5
ORA.D9.110123	Various	Unit	
Reported:	**Started:**	**Received:**	
06Nov2023	06Nov2023	03Nov2023	

Heavy Metals

Test ID: T000260857
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.08	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.05 - 4.55	ND	
Lead	0.05 - 4.55	ND	

Final Approval

Sam Smith
10Nov2023
10:21:00 AM MST
PREPARED BY / DATE

Karen Winternheimer
10Nov2023
10:26:00 AM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/a3fcab4f-5b41-480e-afd3-75a79c136230

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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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