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CERTIFICATE OF ANALYSIS

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

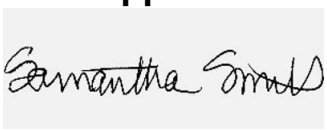
Granny's Orange Creamsicle 5mg

Batch ID or Lot Number:	Test:	Reported:	USDA License:
GG.OC.5D9.062923	**Potency**	**30Jun2023**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000247887	30Jun2023	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	30Jun2023	N/A

Cannabinoids

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.287	0.913	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.262	0.835	ND	ND	
Cannabidiol (CBD)	0.870	2.323	ND	ND	
Cannabidiolic Acid (CBDA)	0.892	2.383	ND	ND	
Cannabidivarin (CBDV)	0.206	0.550	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.372	0.994	ND	ND	
Cannabigerol (CBG)	0.163	0.519	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.680	2.168	ND	ND	
Cannabinol (CBN)	0.212	0.677	ND	ND	
Cannabinolic Acid (CBNA)	0.464	1.479	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.811	2.583	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.736	2.346	4.810	1.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.652	2.078	ND	ND	
Tetrahydrocannabivarin (THCV)	0.148	0.472	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.575	1.833	ND	ND	
Total Cannabinoids			**4.810**	**1.20**	
Total Potential THC			4.810	1.20	
Total Potential CBD			ND	ND	

Final Approval



Sam Smith
30Jun2023
03:17:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
30Jun2023
03:22:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/750b7854-0f44-422a-9443-e09a9ab72d89

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

Granny's Rainbow Sherbet 5mg

Batch ID or Lot Number:	Test:	Reported:	USDA License:
GG.RS.5D9.062923	**Potency**	**30Jun2023**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000247886	30Jun2023	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	30Jun2023	N/A

Cannabinoids

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.258	0.822	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.236	0.752	ND	ND	
Cannabidiol (CBD)	0.782	2.090	ND	ND	
Cannabidiolic Acid (CBDA)	0.802	2.144	ND	ND	
Cannabidivarin (CBDV)	0.185	0.494	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.335	0.894	ND	ND	
Cannabigerol (CBG)	0.146	0.467	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.612	1.950	ND	ND	
Cannabinol (CBN)	0.191	0.609	ND	ND	
Cannabinolic Acid (CBNA)	0.418	1.331	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.729	2.324	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.662	2.110	5.020	1.30	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.587	1.870	ND	ND	
Tetrahydrocannabivarin (THCV)	0.133	0.424	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.518	1.649	ND	ND	
Total Cannabinoids			**5.020**	**1.30**	
Total Potential THC			5.020	1.30	
Total Potential CBD			ND	ND	

Final Approval

Sam Smith
30Jun2023
03:17:00 PM MDT
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Karen Winternheimer
30Jun2023
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https://results.botanacor.com/api/v1/coas/uuid/4afae7f5-d5e2-448a-abe2-eadbd93cedf7

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

Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 5
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

Cannabinoids

Test ID: T000248934
Methods: TM14 (HPLC-DAD)

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.259	0.815	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.237	0.746	ND	ND	
Cannabidiol (CBD)	0.831	2.111	ND	ND	
Cannabidiolic Acid (CBDA)	0.852	2.166	ND	ND	
Cannabidivarin (CBDV)	0.197	0.499	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.356	0.903	ND	ND	
Cannabigerol (CBG)	0.147	0.463	ND	ND	
Cannabigerolic Acid (CBGA)	0.616	1.935	ND	ND	
Cannabinol (CBN)	0.192	0.604	ND	ND	
Cannabinolic Acid (CBNA)	0.420	1.320	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.734	2.305	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.666	2.093	3.290	0.80	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.590	1.855	ND	ND	
Tetrahydrocannabivarin (THCV)	0.134	0.421	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.521	1.636	ND	ND	
Total Cannabinoids			**3.290**	**0.80**	
Total Potential THC			3.290	0.80	
Total Potential CBD			ND	ND	

Final Approval

Samantha Smith
Sam Smith
14Jul2023
02:52:00 PM MDT
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K Winternheimer
Karen Winternheimer
14Jul2023
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WHITE BEAR LAKE, MN USA 55110

Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 2 of 5
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

Residual Solvents

Test ID: T000248937
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	77 - 1549	ND	
Butanes (Isobutane, n-Butane)	158 - 3164	ND	
Methanol	50 - 1002	ND	
Pentane	82 - 1641	ND	
Ethanol	83 - 1651	ND	
Acetone	82 - 1648	ND	
Isopropyl Alcohol	83 - 1668	ND	
Hexane	5 - 99	ND	
Ethyl Acetate	83 - 1658	ND	
Benzene	0.2 - 3.4	ND	
Heptanes	86 - 1730	ND	
Toluene	15 - 300	ND	
Xylenes (m,p,o-Xylenes)	109 - 2176	ND	

Final Approval

Sam Smith
18Jul2023
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Karen Winternheimer
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Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

Mycotoxins

Test ID: T000248938
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	2.93 - 126.23	ND	N/A
Aflatoxin B1	1.02 - 32.43	ND	
Aflatoxin B2	0.99 - 32.56	ND	
Aflatoxin G1	1.02 - 32.27	ND	
Aflatoxin G2	1.12 - 32.85	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

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Sam Smith
19Jul2023
07:39:00 AM MDT
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Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

Pesticides

Test ID: T000248935
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	255 - 2854	ND	Malathion	290 - 2681	ND
Acephate	35 - 2872	ND	Metalaxyl	40 - 2674	ND
Acetamiprid	36 - 2787	ND	Methiocarb	41 - 2707	ND
Azoxystrobin	42 - 2668	ND	Methomyl	36 - 2844	ND
Bifenazate	40 - 2672	ND	MGK 264 1	179 - 1660	ND
Boscalid	39 - 2805	ND	MGK 264 2	111 - 1107	ND
Carbaryl	45 - 2743	ND	Myclobutanil	36 - 2673	ND
Carbofuran	41 - 2710	ND	Naled	52 - 2759	ND
Chlorantraniliprole	42 - 2703	ND	Oxamyl	36 - 2840	ND
Chlorpyrifos	40 - 2737	ND	Paclobutrazol	45 - 2705	ND
Clofentezine	281 - 2745	ND	Permethrin	302 - 2697	ND
Diazinon	287 - 2689	ND	Phosmet	42 - 2662	ND
Dichlorvos	256 - 2837	ND	Prophos	282 - 2729	ND
Dimethoate	36 - 2774	ND	Propoxur	42 - 2720	ND
E-Fenpyroximate	348 - 2702	ND	Pyridaben	298 - 2724	ND
Etofenprox	40 - 2694	ND	Spinosad A	30 - 2105	ND
Etoxazole	304 - 2711	ND	Spinosad D	66 - 669	ND
Fenoxycarb	14 - 2677	ND	Spiromesifen	241 - 2719	ND
Fipronil	35 - 2756	ND	Spirotetramat	300 - 2696	ND
Flonicamid	42 - 2861	ND	Spiroxamine 1	18 - 1175	ND
Fludioxonil	299 - 2725	ND	Spiroxamine 2	20 - 1523	ND
Hexythiazox	41 - 2716	ND	Tebuconazole	332 - 2650	ND
Imazalil	286 - 2755	ND	Thiacloprid	36 - 2778	ND
Imidacloprid	38 - 2799	ND	Thiamethoxam	42 - 2801	ND
Kresoxim-methyl	27 - 2685	ND	Trifloxystrobin	43 - 2705	ND

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Sam Smith
20Jul2023
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20Jul2023
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Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 5
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

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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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WHITE BEAR LAKE, MN USA 55110

Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 5
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

Cannabinoids

Test ID: T000248934
Methods: TM14 (HPLC-DAD)

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.259	0.815	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.237	0.746	ND	ND	
Cannabidiol (CBD)	0.831	2.111	ND	ND	
Cannabidiolic Acid (CBDA)	0.852	2.166	ND	ND	
Cannabidivarin (CBDV)	0.197	0.499	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.356	0.903	ND	ND	
Cannabigerol (CBG)	0.147	0.463	ND	ND	
Cannabigerolic Acid (CBGA)	0.616	1.935	ND	ND	
Cannabinol (CBN)	0.192	0.604	ND	ND	
Cannabinolic Acid (CBNA)	0.420	1.320	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.734	2.305	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.666	2.093	3.290	0.80	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.590	1.855	ND	ND	
Tetrahydrocannabivarin (THCV)	0.134	0.421	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.521	1.636	ND	ND	
Total Cannabinoids			**3.290**	**0.80**	
Total Potential THC			3.290	0.80	
Total Potential CBD			ND	ND	

Final Approval

Samantha Smith
Sam Smith
14Jul2023
02:52:00 PM MDT
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K Winternheimer
Karen Winternheimer
14Jul2023
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Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 2 of 5
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

Residual Solvents

Test ID: T000248937
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	77 - 1549	ND	
Butanes (Isobutane, n-Butane)	158 - 3164	ND	
Methanol	50 - 1002	ND	
Pentane	82 - 1641	ND	
Ethanol	83 - 1651	ND	
Acetone	82 - 1648	ND	
Isopropyl Alcohol	83 - 1668	ND	
Hexane	5 - 99	ND	
Ethyl Acetate	83 - 1658	ND	
Benzene	0.2 - 3.4	ND	
Heptanes	86 - 1730	ND	
Toluene	15 - 300	ND	
Xylenes (m,p,o-Xylenes)	109 - 2176	ND	

Final Approval

Sam Smith
18Jul2023
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Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

Mycotoxins

Test ID: T000248938
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	2.93 - 126.23	ND	N/A
Aflatoxin B1	1.02 - 32.43	ND	
Aflatoxin B2	0.99 - 32.56	ND	
Aflatoxin G1	1.02 - 32.27	ND	
Aflatoxin G2	1.12 - 32.85	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Sam Smith
19Jul2023
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Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

Pesticides

Test ID: T000248935
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	255 - 2854	ND	Malathion	290 - 2681	ND
Acephate	35 - 2872	ND	Metalaxyl	40 - 2674	ND
Acetamiprid	36 - 2787	ND	Methiocarb	41 - 2707	ND
Azoxystrobin	42 - 2668	ND	Methomyl	36 - 2844	ND
Bifenazate	40 - 2672	ND	MGK 264 1	179 - 1660	ND
Boscalid	39 - 2805	ND	MGK 264 2	111 - 1107	ND
Carbaryl	45 - 2743	ND	Myclobutanil	36 - 2673	ND
Carbofuran	41 - 2710	ND	Naled	52 - 2759	ND
Chlorantraniliprole	42 - 2703	ND	Oxamyl	36 - 2840	ND
Chlorpyrifos	40 - 2737	ND	Paclobutrazol	45 - 2705	ND
Clofentezine	281 - 2745	ND	Permethrin	302 - 2697	ND
Diazinon	287 - 2689	ND	Phosmet	42 - 2662	ND
Dichlorvos	256 - 2837	ND	Prophos	282 - 2729	ND
Dimethoate	36 - 2774	ND	Propoxur	42 - 2720	ND
E-Fenpyroximate	348 - 2702	ND	Pyridaben	298 - 2724	ND
Etofenprox	40 - 2694	ND	Spinosad A	30 - 2105	ND
Etoxazole	304 - 2711	ND	Spinosad D	66 - 669	ND
Fenoxycarb	14 - 2677	ND	Spiromesifen	241 - 2719	ND
Fipronil	35 - 2756	ND	Spirotetramat	300 - 2696	ND
Flonicamid	42 - 2861	ND	Spiroxamine 1	18 - 1175	ND
Fludioxonil	299 - 2725	ND	Spiroxamine 2	20 - 1523	ND
Hexythiazox	41 - 2716	ND	Tebuconazole	332 - 2650	ND
Imazalil	286 - 2755	ND	Thiacloprid	36 - 2778	ND
Imidacloprid	38 - 2799	ND	Thiamethoxam	42 - 2801	ND
Kresoxim-methyl	27 - 2685	ND	Trifloxystrobin	43 - 2705	ND

Final Approval

Sam Smith
20Jul2023
07:56:00 AM MDT
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Karen Winternheimer
20Jul2023
07:59:00 AM MDT
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CERTIFICATE OF ANALYSIS

Prepared for:
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WHITE BEAR LAKE, MN USA 55110

Kiwi Strawberry D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 5
KS.D9.071223	Various	Unit	
Reported:	Started:	Received:	
14Jul2023	14Jul2023	13Jul2023	

https://results.botanacor.com/api/v1/coas/uuid/811b2149-9518-418c-a082-3c81cbbfcc7d

Definitions
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WHITE BEAR LAKE, MN USA 55110

Orange Creamsicle D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 4
OC.D9.071223	Various	Finished Product	
Reported:	Started:	Received:	
18Jul2023	17Jul2023	13Jul2023	

Residual Solvents

Test ID: T000248948
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	93 - 1855	ND	
Butanes (Isobutane, n-Butane)	189 - 3789	ND	
Methanol	60 - 1200	ND	
Pentane	98 - 1965	ND	
Ethanol	99 - 1977	ND	
Acetone	99 - 1973	ND	
Isopropyl Alcohol	100 - 1998	ND	
Hexane	6 - 119	ND	
Ethyl Acetate	99 - 1986	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	104 - 2071	ND	
Toluene	18 - 359	ND	
Xylenes (m,p,o-Xylenes)	130 - 2606	ND	

Final Approval

Samantha Smith
Sam Smith
18Jul2023
09:23:00 AM MDT
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
18Jul2023
09:26:00 AM MDT
APPROVED BY / DATE

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

Orange Creamsicle D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
OC.D9.071223	Various	Finished Product	
Reported:	Started:	Received:	
18Jul2023	17Jul2023	13Jul2023	

Mycotoxins

Test ID: T000248949
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	2.71 - 116.49	ND	N/A
Aflatoxin B1	0.94 - 29.93	ND	
Aflatoxin B2	0.91 - 30.05	ND	
Aflatoxin G1	0.94 - 29.78	ND	
Aflatoxin G2	1.03 - 30.31	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Sam Smith
19Jul2023
07:39:00 AM MDT
PREPARED BY / DATE

Karen Winternheimer
19Jul2023
07:41:00 AM MDT
APPROVED BY / DATE

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Orange Creamsicle D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
OC.D9.071223	Various	Finished Product	
Reported:	Started:	Received:	
18Jul2023	17Jul2023	13Jul2023	

Pesticides

Test ID: T000248946
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	255 - 2854	ND	Malathion	290 - 2681	ND
Acephate	35 - 2872	ND	Metalaxyl	40 - 2674	ND
Acetamiprid	36 - 2787	ND	Methiocarb	41 - 2707	ND
Azoxystrobin	42 - 2668	ND	Methomyl	36 - 2844	ND
Bifenazate	40 - 2672	ND	MGK 264 1	179 - 1660	ND
Boscalid	39 - 2805	ND	MGK 264 2	111 - 1107	ND
Carbaryl	45 - 2743	ND	Myclobutanil	36 - 2673	ND
Carbofuran	41 - 2710	ND	Naled	52 - 2759	ND
Chlorantraniliprole	42 - 2703	ND	Oxamyl	36 - 2840	ND
Chlorpyrifos	40 - 2737	ND	Paclobutrazol	45 - 2705	ND
Clofentezine	281 - 2745	ND	Permethrin	302 - 2697	ND
Diazinon	287 - 2689	ND	Phosmet	42 - 2662	ND
Dichlorvos	256 - 2837	ND	Prophos	282 - 2729	ND
Dimethoate	36 - 2774	ND	Propoxur	42 - 2720	ND
E-Fenpyroximate	348 - 2702	ND	Pyridaben	298 - 2724	ND
Etofenprox	40 - 2694	ND	Spinosad A	30 - 2105	ND
Etoxazole	304 - 2711	ND	Spinosad D	66 - 669	ND
Fenoxycarb	14 - 2677	ND	Spiromesifen	241 - 2719	ND
Fipronil	35 - 2756	ND	Spirotetramat	300 - 2696	ND
Flonicamid	42 - 2861	ND	Spiroxamine 1	18 - 1175	ND
Fludioxonil	299 - 2725	ND	Spiroxamine 2	20 - 1523	ND
Hexythiazox	41 - 2716	ND	Tebuconazole	332 - 2650	ND
Imazalil	286 - 2755	ND	Thiacloprid	36 - 2778	ND
Imidacloprid	38 - 2799	ND	Thiamethoxam	42 - 2801	ND
Kresoxim-methyl	27 - 2685	ND	Trifloxystrobin	43 - 2705	ND

Final Approval

Samantha Smith
Sam Smith
20Jul2023
07:56:00 AM MDT
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
20Jul2023
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Orange Creamsicle D9

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OC.D9.071223	Various	Finished Product	
Reported:	**Started:**	**Received:**	
18Jul2023	17Jul2023	13Jul2023	

https://results.botanacor.com/api/v1/coas/uuid/e516fd92-37df-4778-98aa-306ce5327ebf

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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Rainbow Sherbet D9

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 4
RS.D9.071223	Various	Finished Product	
Reported:	Started:	Received:	
18Jul2023	17Jul2023	13Jul2023	

Residual Solvents

Test ID: T000248944
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	86 - 1720	ND	
Butanes (Isobutane, n-Butane)	176 - 3514	ND	
Methanol	56 - 1113	ND	
Pentane	91 - 1823	ND	
Ethanol	92 - 1834	ND	
Acetone	91 - 1830	ND	
Isopropyl Alcohol	93 - 1853	ND	
Hexane	6 - 110	ND	
Ethyl Acetate	92 - 1842	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	96 - 1921	ND	
Toluene	17 - 333	ND	
Xylenes (m,p,o-Xylenes)	121 - 2417	ND	

Final Approval

Samantha Smith
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Rainbow Sherbet D9

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RS.D9.071223	Various	Finished Product	
Reported:	Started:	Received:	
18Jul2023	17Jul2023	13Jul2023	

Mycotoxins

Test ID: T000248945
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	2.83 - 121.86	ND	N/A
Aflatoxin B1	0.99 - 31.31	ND	
Aflatoxin B2	0.95 - 31.44	ND	
Aflatoxin G1	0.99 - 31.16	ND	
Aflatoxin G2	1.08 - 31.71	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

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Sam Smith
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Rainbow Sherbet D9

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RS.D9.071223	Various	Finished Product	
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Pesticides

Test ID: T000248942
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	255 - 2854	ND	Malathion	290 - 2681	ND
Acephate	35 - 2872	ND	Metalaxyl	40 - 2674	ND
Acetamiprid	36 - 2787	ND	Methiocarb	41 - 2707	ND
Azoxystrobin	42 - 2668	ND	Methomyl	36 - 2844	ND
Bifenazate	40 - 2672	ND	MGK 264 1	179 - 1660	ND
Boscalid	39 - 2805	ND	MGK 264 2	111 - 1107	ND
Carbaryl	45 - 2743	ND	Myclobutanil	36 - 2673	ND
Carbofuran	41 - 2710	ND	Naled	52 - 2759	ND
Chlorantraniliprole	42 - 2703	ND	Oxamyl	36 - 2840	ND
Chlorpyrifos	40 - 2737	ND	Paclobutrazol	45 - 2705	ND
Clofentezine	281 - 2745	ND	Permethrin	302 - 2697	ND
Diazinon	287 - 2689	ND	Phosmet	42 - 2662	ND
Dichlorvos	256 - 2837	ND	Prophos	282 - 2729	ND
Dimethoate	36 - 2774	ND	Propoxur	42 - 2720	ND
E-Fenpyroximate	348 - 2702	ND	Pyridaben	298 - 2724	ND
Etofenprox	40 - 2694	ND	Spinosad A	30 - 2105	ND
Etoxazole	304 - 2711	ND	Spinosad D	66 - 669	ND
Fenoxycarb	14 - 2677	ND	Spiromesifen	241 - 2719	ND
Fipronil	35 - 2756	ND	Spirotetramat	300 - 2696	ND
Flonicamid	42 - 2861	ND	Spiroxamine 1	18 - 1175	ND
Fludioxonil	299 - 2725	ND	Spiroxamine 2	20 - 1523	ND
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Imazalil	286 - 2755	ND	Thiacloprid	36 - 2778	ND
Imidacloprid	38 - 2799	ND	Thiamethoxam	42 - 2801	ND
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Rainbow Sherbet D9

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