

Prepared for:

Planetarie Salve
Planetarie


Batch ID or Lot Number: 0522-3FL49	Test: Potency	Reported: 6/2/22	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
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Matrix: Unit	Test ID: T000208329	Started: 6/1/22	USDA License: N/A
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Status: Active	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 05/26/2022 @ 01:26 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	1.347	4.187	ND	ND	# of Servings = 1 Sample Weight=56.7g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	1.520	4.726	21.022	0.37	
Cannabidiolic acid (CBDA)	10.891	30.278	1040.628	18.35	
Cannabidiol (CBD)	10.619	29.520	<LOQ	0.37	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	10.041	31.220	ND	ND	
Cannabinolic Acid (CBNA)	5.750	17.879	ND	ND	
Cannabinol (CBN)	2.630	8.178	ND	ND	
Cannabigerolic acid (CBGA)	8.428	26.205	<LOQ	0.44	
Cannabigerol (CBG)	2.016	6.269	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	7.126	22.158	ND	ND	
Tetrahydrocannabivarin (THCV)	1.834	5.702	ND	ND	
Cannabidivarinic Acid (CBDVA)	4.543	12.630	39.972	0.70	
Cannabidivarin (CBDV)	2.511	6.982	ND	ND	
Cannabichromenic Acid (CBCA)	3.248	10.099	<LOQ	0.09	
Cannabichromene (CBC)	3.551	11.041	ND	ND	
Total Cannabinoids			1152.544	20.33	
Total Potential THC**			21.022	0.37	
Total Potential CBD**			933.472	16.46	

 Kayla Phye
2-Jun-22
3:05 PM

 Karen Winternheimer
2-Jun-22
3:07 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

** Total Potential THC/CBD 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)) and

Total CBD = CBD + (CBDa *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02

CERTIFICATE OF ANALYSIS

 Prepared for:
Planetarie


 1070 Diamond Valley Dr. Ste. 200
 Windsor, CO USA 80550

Planetarie Salve

Batch ID or Lot Number: 0522-3FL49	Test: Microbial Contaminants	Reported: 31May2022	USDA License: N/A
Matrix: Finished Product	Test ID: T000208331	Started: 27May2022	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 26May2022	Status: Active

Microbial
Contaminants

	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
 30May2022
 11:43:00 AM MDT

PREPARED BY / DATE



 Eden Thompson-Wright
 31May2022
 12:50:00 PM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/fb70d0c2-0d88-4dc2-ab6b-1d2a1f24dfd6>
Definitions

* 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
 CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
 ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
 STEC = Shiga Toxin-Producing E. coli

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02



CDPHE Certified

fb70d0c20d884dc2ab6b1d2a1f24dfd6.1

CERTIFICATE OF ANALYSIS

Prepared for:
Planetarie


1070 Diamond Valley Dr. Ste. 200
Windsor, CO USA 80550

Planetarie Salve

Batch ID or Lot Number: 0522-3FL49	Test: Mycotoxins	Reported: 01Jun2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000208334	Started: 31May2022	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 26May2022	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.34 - 120.68	ND	N/A
Aflatoxin B1	0.97 - 29.67	ND	
Aflatoxin B2	1.14 - 29.21	ND	
Aflatoxin G1	1.20 - 29.78	ND	
Aflatoxin G2	1.14 - 28.67	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Ryan Weems
01Jun2022
02:15:00 PM MDT

PREPARED BY / DATE



Sam Smith
01Jun2022
02:20:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/2ad0aa39-94a1-411b-ba34-141f090846a5>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified
2ad0aa3994a1411bba34141f090846a5.1

Prepared for:

Planetarie Salve
Planetarie


Batch ID or Lot Number: 0522-3FL49	Test: Pesticides	Reported: 6/22/22	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
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Matrix: Concentrate	Test ID: t000210446	Started: 6/21/22	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 06/16/2022 @ 08:22 AM	Sampler ID: N/A
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PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	40	ND	Fenoxycarb	38	ND	Paclobutrazol	62	ND
Acetamiprid	39	ND	Fipronil	22	ND	Permethrin	253	ND
Abamectin	263	ND	Flonicamid	54	ND	Phosmet	49	ND
Azoxystrobin	41	ND	Fludioxonil	278	ND	Prophos	254	ND
Bifenazate	46	ND	Hexythiazox	34	ND	Propoxur	41	ND
Boscalid	25	ND	Imazalil	277	ND	Pyridaben	287	ND
Carbaryl	39	ND	Imidacloprid	38	ND	Spinosad A	33	ND
Carbofuran	44	ND	Kresoxim-methyl	150	ND	Spinosad D	48	ND
Chlorantraniliprole	46	ND	Malathion	299	ND	Spiromesifen	244	ND
Chlorpyrifos	500	ND	Metalaxyl	46	ND	Spirotetramat	303	ND
Clofentezine	287	ND	Methiocarb	36	ND	Spiroxamine 1	15	ND
Diazinon	289	ND	Methomyl	39	ND	Spiroxamine 2	20	ND
Dichlorvos	263	ND	MGK 264 1	165	ND	Tebuconazole	365	ND
Dimethoate	38	ND	MGK 264 2	107	ND	Thiacloprid	41	ND
E-Fenpyroximate	308	ND	Myclobutanil	23	ND	Thiamethoxam	39	ND
Etofenprox	35	ND	Naled	45	ND	Trifloxystrobin	43	ND
Etoxazole	293	ND	Oxamyl	1500	ND			


 Sam Smith
 6/22/2022
 4:52:00 PM


 Karen Winternheimer
 6/22/2022
 4:54:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Certificate #4329.02

Prepared for:


Planetarie Salve

Planetarie

Batch ID or Lot Number: 0522-3FL49	Test: Residual Solvents	Reported: 6/2/22	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: N/A	Test ID: T000208333	Started: 6/2/22	USDA License: N/A
Status: Active	Methods: TM04 (GC-MS): Residual Solvents	Received: 05/26/2022 @ 01:26 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	91 - 1822	*ND	
Butanes (Isobutane, n-Butane)	183 - 3664	*ND	
Methanol	57 - 1137	*ND	
Pentane	76 - 1527	*ND	
Ethanol	85 - 1693	*ND	
Acetone	91 - 1827	*ND	
Isopropyl Alcohol	99 - 1980	*ND	
Hexane	5 - 109	*ND	
Ethyl Acetate	94 - 1880	*ND	
Benzene	0.2 - 4	*ND	
Heptanes	91 - 1818	*ND	
Toluene	18 - 353	*ND	
Xylenes (m,p,o-Xylenes)	133 - 2664	*ND	

 Jacob Miller
2-Jun-22
3:46 PM

 Ryan Weems
2-Jun-22
3:48 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02


Prepared for:

Planetarie Salve
Planetarie


Batch ID or Lot Number: 0522-3FL49	Test: Metals	Reported: 6/1/22	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: Unit Co	Test ID: T000208332	Started: 6/1/22	USDA License: N/A
Status: Active	Method: TM19 (ICP-MS); Heavy Metals	Received: 05/26/2022 @ 01:26 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.040 - 3.99	ND	
Cadmium	0.043 - 4.32	ND	
Mercury	0.042 - 4.21	ND	
Lead	0.033 - 3.31	ND	


 Kayla Phye
 1-Jun-22
 2:23 PM

PREPARED BY / DATE


 Ryan Weems
 1-Jun-22
 2:25 PM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02


Prepared for:


Planetarie Salve
Planetarie

Batch ID or Lot Number: 0322-3FL49	Test: Potency	Reported: 4/1/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit	Test ID: T000200327	Started: 3/31/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	8.948	27.122	11.425	0.20	# of Servings = 1 Sample Weight=56.7g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	10.099	30.612	ND	ND	
Cannabidiolic acid (CBDA)	9.599	29.439	1023.717	18.05	
Cannabidiol (CBD)	9.359	28.702	42.097	0.74	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	11.120	33.707	ND	ND	
Cannabinolic Acid (CBNA)	6.368	19.303	ND	ND	
Cannabinol (CBN)	2.913	8.829	ND	ND	
Cannabigerolic acid (CBGA)	9.334	28.293	15.037*	0.27*	
Cannabigerol (CBG)	2.233	6.768	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	7.893	23.923	ND	ND	
Tetrahydrocannabivarin (THCV)	2.031	6.156	ND	ND	
Cannabidivarinic Acid (CBDVA)	4.004	12.280	15.847	0.28	
Cannabidivarin (CBDV)	2.213	6.788	ND	ND	
Cannabichromenic Acid (CBCA)	3.597	10.903	5.554*	0.1*	
Cannabichromene (CBC)	3.933	11.920	ND	ND	
Total Cannabinoids			1113.677	19.64	
Total Potential THC**			10.020	0.18	
Total Potential CBD**			939.897	16.58	


 Daniel Weidensaul
 1-Apr-22
 1:38 PM


 Jacob Miller
 1-Apr-22
 1:42 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

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CDPHE Certified



Certificate #4329.02


Prepared for:


Planetarie Salve
Planetarie

Batch ID or Lot Number: 0322-3FL49	Test: Microbial Contaminants	Reported: 4/4/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000200329	Started: 3/30/22	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
STEC	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	


 Brett Hudson
 4/2/2022
 3:27:00 PM


 Jackson Osaghae-Nosa
 4/4/2022
 8:45:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* 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

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CDPHE Certified



Certificate #4329.02

Prepared for:

Planetarie Salve
Planetarie

Batch ID or Lot Number: 0322-3FL49	Test: Mycotoxins	Reported: 3/31/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000200332	Started: 3/30/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.6 - 130.1	ND	N/A
Aflatoxin B1	0.9 - 32.8	ND	
Aflatoxin B2	1.1 - 33.3	ND	
Aflatoxin G1	1.2 - 32	ND	
Aflatoxin G2	1.2 - 31.5	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	



 Sam Smith
 31-Mar-22
 10:15 AM

PREPARED BY / DATE



 Ryan Weems
 31-Mar-22
 10:17 AM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC.



Certificate #4329.02


Prepared for:


Planetarie Salve
Planetarie

Batch ID or Lot Number: 0322-3FL49	Test: Pesticides	Reported: 4/4/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000200328	Started: 4/1/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	46	ND	Fenoxycarb	44	ND	Paclobutrazol	47	ND
Acetamiprid	41	ND	Fipronil	43	ND	Permethrin	292	ND
Avermectin	301	ND	Flonicamid	47	ND	Phosmet	40	ND
Azoxystrobin	45	ND	Fludioxonil	294	ND	Prophos	274	ND
Bifenazate	43	ND	Hexythiazox	44	ND	Propoxur	42	ND
Boscalid	40	ND	Imazalil	270	ND	Pyridaben	286	ND
Carbaryl	42	ND	Imidacloprid	42	ND	Spinosad A	37	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	49	ND
Chlorantraniliprole	43	ND	Malathion	279	ND	Spiromesifen	274	ND
Chlorpyrifos	500	ND	Metalaxyl	44	ND	Spirotetramat	258	ND
Clofentezine	279	ND	Methiocarb	44	ND	Spiroxamine 1	13	ND
Diazinon	275	ND	Methomyl	44	ND	Spiroxamine 2	16	ND
Dichlorvos	296	ND	MGK 264 1	162	ND	Tebuconazole	278	ND
Dimethoate	40	ND	MGK 264 2	66	ND	Thiacloprid	40	ND
E-Fenpyroximate	283	ND	Myclobutanil	54	ND	Thiamethoxam	40	ND
Etofenprox	43	ND	Naled	51	ND	Trifloxystrobin	44	ND
Etoxazole	289	ND	Oxamyl	1500	ND			


 Sam Smith
 4/4/2022
 3:20:00 PM


 Daniel Weidensaul
 4/4/2022
 3:24:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Certificate #4329.02

Prepared for:


Planetarie Salve
Planetarie

Batch ID or Lot Number: 0322-3FL49	Test: Residual Solvents	Reported: 4/4/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: N/A	Test ID: T000200331	Started: 4/1/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	66 - 1324	*ND	
Butanes (Isobutane, n-Butane)	132 - 2630	*ND	
Methanol	48 - 952	*ND	
Pentane	69 - 1379	*ND	
Ethanol	65 - 1294	*ND	
Acetone	71 - 1425	*ND	
Isopropyl Alcohol	77 - 1541	*ND	
Hexane	5 - 96	*ND	
Ethyl Acetate	78 - 1565	*ND	
Benzene	0.1 - 2.9	*ND	
Heptanes	71 - 1416	*ND	
Toluene	13 - 254	*ND	
Xylenes (m,p,o-Xylenes)	85 - 1695	*ND	


 Jacob Miller
 4-Apr-22
 9:48 AM


 Sam Smith
 4-Apr-22
 9:52 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02


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Planetarie Salve
Planetarie


Batch ID or Lot Number: 0322-3FL49	Test: Metals	Reported: 4/1/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000200330	Started: 3/31/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.041 - 4.08	ND	
Cadmium	0.043 - 4.31	ND	
Mercury	0.041 - 4.14	ND	
Lead	0.042 - 4.15	ND	


 Daniel Weidensaul
 1-Apr-22
 6:54 AM

PREPARED BY / DATE


 Sam Smith
 1-Apr-22
 6:57 AM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC.



Certificate #4329.02



NORDIC ANALYTICAL

LABORATORIES
info@nordicanalytic.com
720-403-8179



Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name: Result Group Colorado
Sample Name: Planetarie LLC-CBDa Topical Salve,
Unscented C3 3.0
Sample Batch:
Sample Type: Topical
Test Type: Potency
Nordic ID: 259860

Date Received: 04/14/2020
Date Tested: 04/16/2020
Date Approved: 04/16/2020
License Number: 403H-80970
METRC Tag: 1A4000712682A2A000004063
Seal State: Intact

Potency Report

Cannabinoid	Total mg	PASS/FAIL
THC	ND	-
THCA	16.05	-
CBD	NR	-
CBDA	944.06	-
CBN	ND	-
CBG	ND	-
CBGA	29.20	-
CBC	ND	-
CBDV	ND	-
THCV	ND	-
Total	989.31	-

ND = Non-Detect
NR = Non-Reportable Value

Laboratory Notes:

Lab Information:

Nordic Analytical Laboratories
3960 Grape Street, Denver, CO 80207
www.nordicanalytic.com

SOP Reference:

Nordic SOP 005-001 (sample prep), Nordic SOP 005-002 (analysis)

Aleksey Nikolayev, PhD, Lab Director

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Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name: Result Group Colorado
Sample Name: Planetarie LLC-CBDa Topical Salve,
Unscented C3 3.0
Sample Batch:
Sample Type: Topical
Test Type: Microbial: Full
Nordic ID: 259880

Date Received: 04/14/2020
Date Tested: 04/18/2020
Date Approved: 04/18/2020
License Number: 403H-80970
METRC Tag: 1A4000712682A2A000004063
Seal State: Intact

Microbial Analysis Results

Test	CFU/gram Count	Limit(CFU/gram)	Pass/Fail
E. Coli*	ND	< 1	PASS
Salmonella*	ND	< 1	PASS
Total Yeast & Mold**	ND	< 10000	PASS

ND = Not Detected

CFU = Colony Forming Unit

***Testing is performed using PCR**

****Testing is performed using plating techniques**

Visual Inspection: PASS

Laboratory Notes:

SOP Reference:

Nordic SOP 004-002, Nordic SOP 004-007, SOP 004-003

Lab Information:

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Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name: Result Group Colorado
Sample Name: Planetarie LLC-CBDa Topical Salve,
Unscented C3 3.0
Sample Batch:
Sample Type: Topical
Test Type: Pesticides
Nordic ID: 259870

Date Received: 04/14/2020
Date Tested: 04/17/2020
Date Approved: 04/17/2020
License Number: 403H-80970
METRC Tag: 1A4000712682A2A000004063
Seal State: Intact

Pesticide Screening Results

Pesticide	Result (ppb)	Limit (ppb)	Pass/Fail
Imidacloprid	ND	20	PASS
Imazalil	ND	40	PASS
Azoxystrobin	ND	20	PASS
Malathion	ND	50	PASS
Myclobutanil	ND	40	PASS
Bifenazate	ND	20	PASS
Spirotetramat	ND	20	PASS
Tebuconazole	ND	10	PASS
Spinosad A	ND	60	PASS
Spinosad D	ND	60	PASS
Etoxazole	ND	10	PASS
Spiromesifen	ND	30	PASS
Abamectins (B1a & B1b)	ND	70	PASS
Permethrins	ND	40	PASS

ND = Non-Detect
NR = Non-Reportable Value

**Pesticide testing is performed using LC/MS/MS
ppb (parts per billion) = nanogram/gram**

Laboratory Notes:

SOP Reference:
Nordic SOP 005-008 (sample prep), Nordic SOP 005-009
(analysis)

Lab Information:

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Aleksey Nikolayev, PhD, Lab Director

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Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name: Result Group Colorado

Sample Name: Planetarie LLC-CBDa Topical Salve,
Unscented C3 3.0

Sample Batch:

Sample Type: Topical

Test Type: Residual Solvents (RSA)

Nordic ID: 259865

Date Received: 04/14/2020

Date Tested: 04/16/2020

Date Approved: 04/16/2020

License Number: 403H-80970

METRC Tag: 1A4000712682A2A000004063

Seal State: Intact

Residual Solvent Analysis Results

Solvent	Result(ppm)	Limit(ppm)	Pass/Fail
Butanes	ND	< 1000	PASS
Propane	ND	< 1000	PASS
Methanol	ND	< 600	PASS
Pentane	ND	< 1000	PASS
Ethanol	ND	< 1000	PASS
Acetone	ND	< 1000	PASS
Isopropyl Alcohol	ND	< 1000	PASS
Hexane	ND	< 60	PASS
Ethyl Acetate	ND	< 1000	PASS
Benzene	ND	< 2	PASS
Heptane	ND	< 1000	PASS
Toluene	ND	< 180	PASS
Xylenes	ND	< 430	PASS

ND = Non-Detect

NR = Non-Reportable Value

Residual Solvent Analysis is performed by Headspace Gas Chromatography with a Flame Ionization Detector.

Laboratory Notes:

SOP Reference:
Nordic SOP 005-003

Lab Information:

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Aleksey Nikolayev, PhD, Lab Director

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720-403-8179

Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name: Result Group Colorado

Sample Name: Planetarie LLC-CBDa Topical Salve,
Unscented C3 3.0

Sample Batch:

Sample Type: Topical

Test Type: Heavy Metals

Nordic ID: 259875

Date Received: 04/14/2020

Date Tested: 04/22/2020

Date Approved: 04/22/2020

License Number: 403H-80970

METRC Tag: 1A4000712682A2A000004063

Seal State: Intact

Heavy Metals Report

Metal	Result (ppm)	Limit (ppm)	Pass/Fail
Arsenic (As)	ND	3	PASS
Cadmium (Cd)	ND	3	PASS
Mercury (Hg)	ND	1	PASS
Lead (Pb)	NR	10	PASS

ND = Non-Detect

NR = Non-Reportable Value

Laboratory Notes:

SOP Reference:

Nordic Analytical SOP: 005-012

Lab Information:

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