

# **Official Compliance: Colorado** CERTIFICATE OF ANALYSIS

Prepared for:

**Planetarie Soft Gels** 

**Potency** 

Batch ID or Lot Number: Test: Reported: Location:

> 600 31ST STREET UNIT B 3/25/22

EVANS, CO 80620

**Notes** 

# of Servings = 1 Sample Weight=0.616g

Matrix: Test ID: Started: **USDA License:** 

Unit T000199311 3/23/22 N/A

Received: Sampler ID: Status: Method:

TM14 (HPLC-DAD): Potency -N/A 03/23/2022 @ 08:47 AM N/A Standard Cannabinoid Analysis

#### **CANNABINOID PROFILE**

0222-F2

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.205	0.638	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.231	0.720	ND	ND
Cannabidiolic acid (CBDA)	0.250	0.849	23.816	38.65
Cannabidiol (CBD)	0.244	0.828	0.282*	0.46*
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.254	0.793	ND	ND
Cannabinolic Acid (CBNA)	0.146	0.454	ND	ND
Cannabinol (CBN)	0.067	0.208	ND	ND
Cannabigerolic acid (CBGA)	0.214	0.665	0.414*	0.67*
Cannabigerol (CBG)	0.051	0.159	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.181	0.563	ND	ND
Tetrahydrocannabivarin (THCV)	0.046	0.145	ND	ND
Cannabidivarinic Acid (CBDVA)	0.104	0.354	ND	ND
Cannabidivarin (CBDV)	0.058	0.196	ND	ND
Cannabichromenic Acid (CBCA)	0.082	0.256	0.11*	0.18*
Cannabichromene (CBC)	0.090	0.280	ND	ND

Total Cannabinoids	24.622	39.96
Total Potential THC**	ND	ND
Total Potential CBD**	21.169	34.35

Ryan Weems 25-Mar-22 1:02 PM

Daniel Wantament PREPARED BY / DATE

APPROVED BY / DATE

#### **Definitions**

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

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

25-Mar-22

12:58 PM

Daniel Weidensaul

\*\* 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)







CFRTIFICATE OF ANALYSIS

Prepared for:

**Soft Gels Planetarie** 

Batch ID or Lot Number: Reported: Test: Location: 600 31ST STREET UNIT B 0222-F2 **Microbial** 3/28/22 **EVANS, CO 80620 Contaminants** Test ID: Started: **USDA License:** Matrix: **Finished Product** T000199313 3/23/22 N/A Methods: Received:

Sampler ID: Status: TM25 (qPCR) N/A 03/23/2022 @ 08:47 AM N/A

TM24, TM26, TM27(Culture Plating):

Microbial

#### MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26, Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected
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

**Notes** 

Free from visual mold, mildew, and foreign matter

Jackson Osaghae-Nosa 3/26/2022 1:04:00 PM

Buanne Maillot

**Brianne Maillot** 3/28/2022 10:57:00 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:  $10^2 = 100 CFU$ 

10^3 = 1.000 CFU 10^4 = 10,000 CFU 10^5 = 100,000 CFU









Prepared for:

Soft Gels Planetarie

Batch ID or Lot Number: Test: Reported: Location:

0222-F2 Mycotoxins 3/25/22 600 31ST STREET UNIT B EVANS, CO 80620

Matrix: Test ID: Started: USDA License:

Concentrate T000199316 3/24/22 N/A

Status: Method: Received: Sampler ID: N/A TM18 (UHPLC-QQQ LCMS/MS): 03/23/2022 @ 08:47 AM N/A

Mycotoxins

#### MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes	
Ochratoxin A	2.7 - 133.7	ND	N/A	
Aflatoxin B1	1 - 34	ND		
Aflatoxin B2	1.1 - 33.7	ND		
Aflatoxin G1	1.2 - 33.3	ND		
Aflatoxin G2	1.2 - 33.2	ND		
Total Aflatoxins (B1, B2, G1, and G2)		ND		

\_\_

Ryan Weems 25-Mar-22 10:42 AM

Samantha Smil

Sam Smith 25-Mar-22 10:48 AM

PREPARED BY / DATE

APPROVED BY / DATE

#### **Definitions**

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





Prepared for:

Soft Gels Planetarie

Batch ID or Lot Number: Test: Reported: Location: **0222-F2 Pesticides**3/28/22

Location:
600 31ST STREET UNIT B

EVANS, CO 80620

Matrix: Test ID: Started: USDA License:

Concentrate T000199312 3/24/22 N/A

Status: Method: Received: Sampler ID:

N/A TM17(LC-QQQ LC MS/MS): 03/23/2022 @ 08:47 AM N/A

#### PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	64	ND	Fenoxycarb	53	ND	Paclobutrazol	50	ND
Acetamiprid	50	ND	Fipronil	56	ND	Permethrin	291	ND
Avermectin	278	ND	Flonicamid	66	ND	Phosmet	58	ND
Azoxystrobin	54	ND	Fludioxonil	320	ND	Prophos	301	ND
Bifenazate	56	ND	Hexythiazox	51	ND	Propoxur	52	ND
Boscalid	63	ND	Imazalil	271	ND	Pyridaben	300	ND
Carbaryl	50	ND	Imidacloprid	52	ND	Spinosad A	40	ND
Carbofuran	52	ND	Kresoxim-methyl	150	ND	Spinosad D	49	ND
Chlorantraniliprole	56	ND	Malathion	295	ND	Spiromesifen	286	ND
Chlorpyrifos	500	ND	Metalaxyl	58	ND	Spirotetramat	307	ND
Clofentezine	302	ND	Methiocarb	48	ND	Spiroxamine 1	22	ND
Diazinon	291	ND	Methomyl	52	ND	Spiroxamine 2	29	ND
Dichlorvos	287	ND	MGK 264 1	178	ND	Tebuconazole	303	ND
Dimethoate	53	ND	MGK 264 2	116	ND	Thiacloprid	50	ND
E-Fenpyroximate	299	ND	Myclobutanil	52	ND	Thiamethoxam	50	ND
Etofenprox	52	ND	Naled	58	ND	Trifloxystrobin	55	ND
Etoxazole	301	ND	Oxamyl	1500	ND			

Daniel Westersand

Daniel Weidensaul 3/28/2022 12:07:00 PM

Samantha Small

Sam Smith 3/28/2022 12:13:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions** 

LOQ = Limit of Quantification ppb = Parts per Billion







Prepared for:

Soft Gels Planetarie

Batch ID or Lot Number: <b>0222-F2</b>	Test: Residual Solvents	Reported: <b>3/25/22</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix:	Test ID:	Started:	USDA License:
N/A	T000199315	3/25/22	N/A
Status:	Methods:	Received:	Sampler ID:
N/A	TM04 (GC-MS): Residual Solven	its 03/23/2022 @ 08:47 AM	N/A

#### **RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	66 - 1326	*ND	
Butanes	122 2656	*ND	
Isobutane, n-Butane)	133 - 2656	"ND	
Methanol	49 - 974	*ND	
Pentane	70 - 1396	*ND	
Ethanol	76 - 1526	*ND	
Acetone	77 - 1543	*ND	
Isopropyl Alcohol	82 - 1640	*ND	
Hexane	5 - 100	*ND	
Ethyl Acetate	83 - 1665	*ND	
Benzene	0.2 - 3.3	*ND	
Heptanes	79 - 1573	*ND	
Toluene	15 - 301	*ND	
Xylenes	106 - 2121	*ND	
(m n o-Xylenes)			

f his

Jacob Miller 25-Mar-22 12:51 PM Mym News

Ryan Weems 25-Mar-22 12:52 PM

PREPARED BY / DATE

APPROVED BY / DATE

#### **Definitions**

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





Prepared for:

Soft Gels Planetarie

Batch ID or Lot Number: <b>0222-F2</b>	Test: <b>Metals</b>	Reported: <b>3/28/22</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix:	Test ID:	Started:	USDA License:
Unit Co	T000199314	3/24/22	N/A
Status:	Method:	Received:	Sampler ID:
N/A	TM19 (ICP-MS): Heavy Metals	03/23/2022 @ 08:47 AM	N/A

#### **HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppm)	Result (ppm)	Not
Arsenic	0.043 - 4.26	ND	
Cadmium	0.043 - 4.31	ND	
Mercury	0.043 - 4.34	ND	
Lead	0.043 - 4.32	ND	

lewholly

Kayla Phye 28-Mar-22 9:59 AM

APPROVED BY / DATE

Ryan Weems

28-Mar-22

10:02 AM

# Definitions

PREPARED BY / DATE

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





# Official Compliance: Colorado CERTIFICATE OF ANALYSIS

Prepared for:

Soft Gels Planetarie

Batch ID or Lot Number: Test: Reported: Location:

**Potency** 11/3/21 600 31ST STREET UNIT B

EVANS, CO 80620

Notes

# of Servings = 1 Sample Weight=0.614g

Matrix: Test ID: Started: USDA License:

Unit T000173780 11/3/21 N/A

Status: Method: Received: Sampler ID:

N/A TM14 (HPLC-DAD): Potency – 11/02/2021 @ 09:04 AM N/A

(Colorado Panel)

Standard Cannabinoid Analysis

### **CANNABINOID PROFILE**

1021-F3

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.109	0.362	0.515	0.84
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.123	0.408	ND	ND
Cannabidiolic acid (CBDA)	0.137	0.446	26.024	42.37
Cannabidiol (CBD)	0.133	0.434	0.255*	0.42*
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.135	0.450	ND	ND
Cannabinolic Acid (CBNA)	0.077	0.257	ND	ND
Cannabinol (CBN)	0.035	0.118	ND	ND
Cannabigerolic acid (CBGA)	0.113	0.377	1.230	2.00
Cannabigerol (CBG)	0.027	0.090	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.096	0.319	ND	ND
Tetrahydrocannabivarin (THCV)	0.025	0.082	ND	ND
Cannabidivarinic Acid (CBDVA)	0.057	0.186	0.18*	0.29*
Cannabidivarin (CBDV)	0.032	0.103	ND	ND
Cannabichromenic Acid (CBCA)	0.044	0.145	0.347	0.56
Cannabichromene (CBC)	0.048	0.159	ND	ND

Total Cannabinoids	28.551	46.48
Total Potential THC**	0.452	0.74
Total Potential CBD**	23.078	37.57

Samantha Smoll

Sam Smith 03-Nov-2021 04:56 PM Myon News

Ryan Weems 3-Nov-21 4:58 PM

PREPARED BY / DATE

APPROVED BY / DATE

#### **Definitions**

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

\* Indicates a value below the Limit of Quantitiation (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.

Total THC = THC + (THCa \*(0.877)) and Total CBD = CBD + (CBDa \*(0.877))

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)



CDPHE Certified





CERTIFICATE OF ANALYSIS

Prepared for:

**Planetarie Soft Gels** 

Batch ID or Lot Number: Reported: Test: Location: 600 31ST STREET UNIT B 1021-F3 **Microbial** 11/5/21 **EVANS, CO 80620 Contaminants** Test ID: Started: **USDA License:** Matrix: **Finished Product** T000173782 11/2/21 N/A

Methods: Sampler ID: Status: Received: TM25 (qPCR) N/A 11/02/2021 @ 09:04 AM N/A

> TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)

#### MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26, Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected
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
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent

**Notes** 

Free from visual mold, mildew, and foreign matter

Jackson Osaghae-Nosa 11/5/2021 10:17:00 AM

Carly Baden

APPROVED BY / DATE

Carly Bader 11/5/2021 10:20:00 AM

PREPARED 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:  $10^2 = 100 CFU$ 

10^3 = 1.000 CFU 10^4 = 10,000 CFU 10^5 = 100,000 CFU

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,







Certificate #4329 02



CERTIFICATE OF ANALYSIS

Prepared for:

Soft Gels Planetarie

Mycotoxins (Colorado Panel)

Batch ID or Lot Number: Reported: Test: Location: 600 31ST STREET UNIT B 1021-F3 **Mycotoxins** 11/4/21 **EVANS, CO 80620** Matrix: Test ID: Started: **USDA License:** Concentrate T000173785 11/4/21 N/A Status: Method: Received: Sampler ID: N/A TM18 (UHPLC-QQQ LCMS/MS): 11/02/2021 @ 09:04 AM N/A

# MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.1 - 128	ND	N/A
Aflatoxin B1	1 - 32.4	ND	
Aflatoxin B2	1 - 33	ND	
Aflatoxin G1	1 - 32	ND	
Aflatoxin G2	1 - 32	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Samantha Smoll

Sam Smith 4-Nov-21 4:58 PM

APPROVED BY / DATE

Ryan Weems 4-Nov-21 5:00 PM

#### **Definitions**

PREPARED BY / DATE

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



Prepared for:

Soft Gels Planetarie

Batch ID or Lot Number: Reported: Test: Location: 600 31ST STREET UNIT B 1021-F3 **Pesticides** 11/5/21 **EVANS, CO 80620** Test ID: **USDA License:** Matrix: Started: T000173781 Concentrate 11/4/21 N/A

Status: Method: Received: Sampler ID:

N/A TM17(LC-QQQ LC MS/MS): 11/02/2021 @ 09:04 AM 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	44	ND
Acetamiprid	40	ND	Fipronil	65	ND	Permethrin	296	ND
Avermectin	324	ND	Flonicamid	52	ND	Phosmet	43	ND
Azoxystrobin	44	ND	Fludioxonil	284	ND	Prophos	277	ND
Bifenazate	42	ND	Hexythiazox	40	ND	Propoxur	43	ND
Boscalid	41	ND	Imazalil	276	ND	Pyridaben	289	ND
Carbaryl	40	ND	Imidacloprid	38	ND	Spinosad A	35	ND
Carbofuran	43	ND	Kresoxim-methyl	150	ND	Spinosad D	54	ND
Chlorantraniliprole	51	ND	Malathion	283	ND	Spiromesifen	282	ND
Chlorpyrifos	500	ND	Metalaxyl	45	ND	Spirotetramat	261	ND
Clofentezine	292	ND	Methiocarb	43	ND	Spiroxamine 1	20	ND
Diazinon	275	ND	Methomyl	41	ND	Spiroxamine 2	24	ND
Dichlorvos	284	ND	MGK 264 1	172	ND	Tebuconazole	293	ND
Dimethoate	41	ND	MGK 264 2	123	ND	Thiacloprid	43	ND
E-Fenpyroximate	267	ND	Myclobutanil	39	ND	Thiamethoxam	42	ND
Etofenprox	42	ND	Naled	49	ND	Trifloxystrobin	44	ND
Etoxazole	300	ND	Oxamyl	1500	ND			

Samantha Smill

Sam Smith 11/5/2021 11:03:00 AM

L Winternheimer

Karen Winternheimer 11/5/2021 11:06:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

#### **Definitions**

LOQ = Limit of Quantification ppb = Parts per Billion

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



CERTIFICATE OF ANALYSIS

Prepared for:

**Soft Gels Planetarie** 

Batch ID or Lot Number: <b>1021-F3</b>	Test: Residual Solvents	Reported: <b>11/3/21</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: N/A	Test ID: T000173784	Started: 11/3/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solven (Colorado Panel)	Received: ts 11/02/2021 @ 09:04 AM	Sampler ID: N/A

#### **RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	86 - 1720	*ND	
Butanes (Isobutane, n-Butane)	177 - 3540	*ND	
Methanol	57 - 1149	*ND	
Pentane	90 - 1791	*ND	
Ethanol	92 - 1831	*ND	
Acetone	96 - 1919	*ND	
Isopropyl Alcohol	100 - 1998	*ND	
Hexane	5 - 109	*ND	
Ethyl Acetate	94 - 1881	*ND	
Benzene	0.2 - 3.7	*ND	
Heptanes	92 - 1844	*ND	
Toluene	17 - 340	*ND	
Xylenes	124 - 2473	*ND	
(m,p,o-Xylenes)	124 - 24/3	"ND	

Hannah Wright 3-Nov-21 4:12 PM

Ryan Weems 3-Nov-21 4:14 PM

PREPARED BY / DATE

APPROVED BY / DATE

#### **Definitions**

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







CERTIFICATE OF ANALYSIS

Prepared for:

Soft Gels Planetarie

Batch ID or Lot Number: <b>1021-F3</b>	Test: <b>Metals</b>	Reported: <b>11/5/21</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000173783	Started: 11/4/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 11/02/2021 @ 09:04 AM	Sampler ID: N/A

#### **HEAVY METALS DETERMINATION**

Dynamic Range (ppm)	Result (ppm)	Notes
0.044 - 4.35	ND	
0.044 - 4.36	ND	
0.043 - 4.33	ND	
0.043 - 4.31	ND	
	0.044 - 4.35 0.044 - 4.36 0.043 - 4.33	0.044 - 4.35 ND 0.044 - 4.36 ND 0.043 - 4.33 ND

Danuel Wardansaul

PREPARED BY / DATE

Daniel Weidensaul 5-Nov-21 10:08 AM

APPROVED BY / DATE

Ryan Weems 5-Nov-21 10:10 AM

### Definitions

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

COPHE



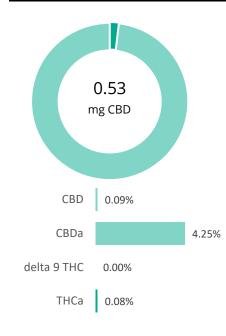


prepared for: Planetarie
600 31ST STREET UNIT B
EVANS, CO 80620

#### Soft Gel

Batch ID:	0721-F3	Test ID:	T000163802
Туре:	Unit	Submitted:	09/16/2021 @ 12:53 PM
Test:	Potency	Started:	9/20/2021
Method:	TM14 (HPLC-DAD)	Reported:	9/21/2021

#### **CANNABINOID PROFILE**



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.22	0.52	0.8
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.25	ND	ND
Cannabidiolic acid (CBDA)	0.27	26.43	42.5
Cannabidiol (CBD)	0.26	0.53	0.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.28	ND	ND
Cannabinolic Acid (CBNA)	0.16	ND	ND
Cannabinol (CBN)	0.07	ND	ND
Cannabigerolic acid (CBGA)	0.23	1.32	2.1
Cannabigerol (CBG)	0.06	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.20	ND	ND
Tetrahydrocannabivarin (THCV)	0.05	ND	ND
Cannabidivarinic Acid (CBDVA)	0.11	0.18	0.3
Cannabidivarin (CBDV)	0.06	ND	ND
Cannabichromenic Acid (CBCA)	0.09	0.38	0.6
Cannabichromene (CBC)	0.10	ND	ND
Total Cannabinoids		29.36	47.2
Total Potential THC**		0.46	0.7
Total Potential CBD**		23.71	38.1

NOTES:

# of Servings = 1, Sample Weight=0.622g

- % = % (w/w) = Percent (Weight of Analyte / Weight of Product)
- \* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
- \*\* 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))

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

# FINAL APPROVAL



Sam Smith 21-Sep-2021 2:19 PM

L Winternheimer

Karen Winternheime 21-Sep-2021 2:21 PM

PREPARED BY / DATE

APPROVED BY / DATE





# CERTIFICATE OF ANALYSIS POTENCY



RECEIVED: 08/17/2021

Softgel Co. Name: 2202 1/2 H Road Type: Grand Junction, Colorado 81505 ID:

(970) 628-5488 Batch ID: 405R-00016.2 METRC Tag:

TESTED: 08/17/2021

Planetarie LLC 25mg Ingestible 210802303.20697

PTL072221 1A4000B00012FE9000002115

REPORTED: 08/20/2021

ANALYTE	LOD	LOQ	MU	AMOUNT	AMOUNT	LABEL	STATUS
	%	%	mg/unit	%	mg/unit	mg/unit	
THCa	0.0125	0.025	0.050	0.083	0.5	-	TESTED
D9-THC	0.0125	0.025	0.000	<lod< th=""><th><lod< th=""><th>-</th><th>TESTED</th></lod<></th></lod<>	<lod< th=""><th>-</th><th>TESTED</th></lod<>	-	TESTED
D8-THC	0.0125	0.025	0.000	<lod< th=""><th><lod< th=""><th>-</th><th>TESTED</th></lod<></th></lod<>	<lod< th=""><th>-</th><th>TESTED</th></lod<>	-	TESTED
CBDa	0.0125	0.025	2.970	4.640	29.7	-	TESTED
CBD	0.0125	0.025	0.060	0.097	0.6	-	TESTED
CBDVa	0.006	0.012	0.030	0.042	0.3	-	TESTED
CBDV	0.006	0.012	0.000	<lod< th=""><th><lod< th=""><th>-</th><th>TESTED</th></lod<></th></lod<>	<lod< th=""><th>-</th><th>TESTED</th></lod<>	-	TESTED
CBN	0.006	0.012	0.000	<lod< th=""><th><l<mark>OD</l<mark></th><th>7</th><th>TESTED</th></lod<>	<l<mark>OD</l<mark>	7	TESTED
CBGa	0.006	0.012	0.160	0.251	1.6	-	TESTED
CBG	0.006	0.012	0.000	<lod< th=""><th><lod< th=""><th>-</th><th>TESTED</th></lod<></th></lod<>	<lod< th=""><th>-</th><th>TESTED</th></lod<>	-	TESTED
CBCa	0.006	0.012	0.080	0.120	0.8	-	TESTED
CBC	0.006	0.012	0.000	<lod< th=""><th><lod< th=""><th>- /-</th><th>TESTED</th></lod<></th></lod<>	<lod< th=""><th>- /-</th><th>TESTED</th></lod<>	- /-	TESTED
CBL	0.006	0.012	0.000	<lod< th=""><th><lod< th=""><th>-</th><th>TESTED</th></lod<></th></lod<>	<lod< th=""><th>-</th><th>TESTED</th></lod<>	-	TESTED

LOD = Limit of Detection, LOQ = Limit of Quantification, ND = Not Detected, MU = Measurement uncertainty, NR = Not Reported \*Sum of measured cannabinoids is the sum of all quantified cannabinoids.

#### NOTES AND INTERPRETATIONS

Sum of Measured Cannabinoids\*

Analyzed via AAM-001 using Agilent 1220 HPLC-DAD. No Pass or Fail determination made. Please refer to any/all appropriate regulatory guidelines to determine if product tested is suitable for use. Deviations from SOP: None.



Unit: 1 capsule | Units Per Package: 10.00

Analyte	Total*
Total THC	0.44 mg/unit
Total CBD	26.65 mg/unit
Total CBG	1.40 mg/unit
Total CBDV	0.26 mg/unit

\*Total is the sum of the neutral (active) cannabinoid and the completely converted acidic cannabinoid



Results Analyzed By: Tyler Dorsey Associate Chemist



33.500

Results Approved By: Luke Mason, MS Lab Director







Aurum Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This certificate shall not be modified – Scan QR code to verify authenticity





# CERTIFICATE OF ANALYSIS MICROBIAL CONTAMINANT



RECEIVED: 08/17/2021

Softgel Co. Name: 2202 1/2 H Road Type: Grand Junction, Colorado 81505 ID:

(970) 628-5488 Batch ID: 405R-00016.2 METRC Tag: Planetarie LLC 25mg Ingestible 210802303.20697

PTL072221 1A4000B00012FE9000002115

REPORTED: 08/20/2021 TESTED: 08/17/2021

ANALYTE	LOQ	LIMIT	AMOUNT	STATUS
	CFU/g	CFU/g	CFU/g	
STEC	1	1	Absent	Pass
Salmonella	1	1	Absent	Pass
Yeast & Mold	100	10,000	ND	Pass

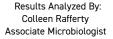
LOD = Limit of Detection, LOQ = Limit of Quantification, ND = Not Detected, CFU/g = Colony Forming Units per Gram, NR = Not Reported



#### NOTES AND INTERPRETATIONS

Analyzed via AAM-003 & AAM-007. Limits are based on CO 1 CCR 212-3. Sample was analyzed as received. Deviations from SOP: None.







Results Approved By: Luke Mason, MS Lab Director







Aurum Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This certificate shall not be modified - Scan QR code to verify authenticity





# **CERTIFICATE OF ANALYSIS MYCOTOXINS**



RECEIVED: 07/29/2021

Softgel Co. Name: 2202 1/2 H Road Type: Grand Junction, Colorado 81505 ID: (970) 628-5488 Batch ID: METRC Tag:

**Planetaire** Ingestible 210702109.19691 0721-F3

1A4000B00012FE9000002010

TESTED: 07/30/2021 REPORTED: 08/03/2021

ANALYTE	LOD	LOQ	LIMIT	AMOUNT	STATUS
	PPB	PPB	PPB	PPB	
B1	2.5	5	0	<lod< th=""><th>Tested</th></lod<>	Tested
B2	2.5	5	0	<lod< th=""><th>Tested</th></lod<>	Tested
G1	2.5	5	0	<lod< th=""><th>Tested</th></lod<>	Tested
G2	2.5	5	0	<lod< th=""><th>Tested</th></lod<>	Tested
Total Aflatoxins	2.5	5	20	<lod< th=""><th>Pass</th></lod<>	Pass
Ochratoxin A	2.5	5	20	<lod< th=""><th>Pass</th></lod<>	Pass

405R-00016.2





#### NOTES AND INTERPRETATIONS

Analyzed via AAM-004 using Agilent 1260 HPLC and Agilent 6430 MS. Limits are based on CO 1 CCR 212-3. Sample was analyzed as received. Deviations from SOP: None







Results Approved By: Joshua Reilly Quality Manager







Aurum Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This certificate shall not be modified - Scan QR code to verify authenticity





# CERTIFICATE OF ANALYSIS PESTICIDES

METRC Tag:



Softgel Co. Name: 2202 1/2 H Road Type: Grand Junction, Colorado 81505 ID: (970) 628-5488 Batch ID:

210702109.19691 0721-F3 1A4000B00012FE9000002010

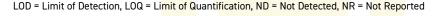
**Planetaire** 

Ingestible

RECEIVED: 07/29/2021 TESTED: 07/30/2021 REPORTED: 08/03/2021

ANALYTE	LOD	LOQ	LIMIT	AMOUNT	STATUS
	PPB	PPB	PPB	PPB	
Abamectin	20	40	70	<lod< th=""><th>Pass</th></lod<>	Pass
Azoxystrobin	5	10	20	<lod< th=""><th>Pass</th></lod<>	Pass
Bifenazate	10	20	20	<lod< th=""><th>Pass</th></lod<>	Pass
Etoxazole	5	10	10	<lod< th=""><th>Pass</th></lod<>	Pass
Imazalil	20	40	40	<lod< th=""><th>Pass</th></lod<>	Pass
Imidacloprid	5	10	20	<lod< th=""><th>Pass</th></lod<>	Pass
Malathion	20	40	50	<lod< th=""><th>Pass</th></lod<>	Pass
Myclobutanil	10	20	40	<lod< th=""><th>Pass</th></lod<>	Pass
Permethrin	5	10	40	<lod< th=""><th>Pass</th></lod<>	Pass
Spinosad	20	40	60	<lod< th=""><th>Pass</th></lod<>	Pass
Spiromesifen	15	30	30	<lod< th=""><th>Pass</th></lod<>	Pass
Spirotetramat	5	10	20	<lod< th=""><th>Pass</th></lod<>	Pass
Tebuconazole	5	10	10	<lod< th=""><th>Pass</th></lod<>	Pass

405R-00016.2





#### NOTES AND INTERPRETATIONS

Analyzed via AAM-008 using Agilent 1260 HPLC and Agilent 6430 MS. Limits are based on CO 1 CCR 212-3. Sample was analyzed as received. Deviations from SOP: None.











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# CERTIFICATE OF ANALYSIS HEAVY METALS



RECEIVED: 07/29/2021

Softgel Co. Name: 2202 1/2 H Road Type: Grand Junction, Colorado 81505 ID: (970) 628-5488 Batch ID: 405R-00016.2 METRC Tag:

TESTED: 07/30/2021

Planetaire Ingestible 210702109.19691 0721-F3

REPORTED: 08/03/2021

1A4000B00012FE9000002010

ANALYTE	LOD	LOQ	LIMIT	AMOUNT	STATUS
	PPM	PPM	PPM	PPM	
Arsenic	0.015	0.03	0.2	<lod< th=""><th>Pass</th></lod<>	Pass
Cadmium	0.015	0.03	0.2	<lod< th=""><th>Pass</th></lod<>	Pass
Lead	0.015	0.03	0.5	<lod< th=""><th>Pass</th></lod<>	Pass
Mercury	0.015	0.03	0.1	<lod< th=""><th>Pass</th></lod<>	Pass





#### NOTES AND INTERPRETATIONS

Analyzed via AAM-010 using Agilent 7800 ICP-MS. Limits are based on CO 1 CCR 212-3. Sample was analyzed as recieved. Deviations from SOP: None.







Results Approved By: Luke Mason, MS Lab Director







Aurum Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This certificate shall not be modified – Scan QR code to verify authenticity





# CERTIFICATE OF ANALYSIS RESIDUAL SOLVENTS



Softgel Co. Name: 2202 1/2 H Road Type: Grand Junction, Colorado 81505 ID: (970) 628-5488 Batch ID: 405R-00016.2 METRC Tag:

**Planetaire** Ingestible 210702109.19691 0721-F3

1A4000B00012FE9000002010

TESTED: 07/30/2021 RECEIVED: 07/29/2021

REPORTED: 08/03/2021

ANALYTE	LOD	LOQ	LIMIT	AMOUNT	STATUS
	PPM	PPM	PPM	РРМ	
Acetone	77.624	155.248	1000	<lod< th=""><th>Pass</th></lod<>	Pass
Benzene	0.477	0.954	2	<lod< th=""><th>Pass</th></lod<>	Pass
Butanes	9.901	19.802	1000	<lod< th=""><th>Pass</th></lod<>	Pass
Ethanol	78.119	156.238	1000	<lod< th=""><th>Pass</th></lod<>	Pass
Ethyl-Acetate	49.505	99.010	1000	<lod< th=""><th>Pass</th></lod<>	Pass
Heptanes	10.1485	20.297	1000	<lod< th=""><th>Pass</th></lod<>	Pass
Hexanes	4.8715	9.743	60	<lod< th=""><th>Pass</th></lod<>	Pass
Isopropanol	77.822	155.644	1000	<lod< th=""><th>Pass</th></lod<>	Pass
Methanol	196.0395	392.079	600	<lod< th=""><th>Pass</th></lod<>	Pass
N-Pentane	9.307	18.614	1000	<lod< th=""><th>Pass</th></lod<>	Pass
Propane	9.901	19.802	1000	<lod< th=""><th>Pass</th></lod<>	Pass
Toluene	4.277	8.554	180	<lod< th=""><th>Pass</th></lod<>	Pass
Xylenes	6.376	12.752	430	<lod< th=""><th>Pass</th></lod<>	Pass



#### NOTES AND INTERPRETATIONS

Analyzed via AAM-002 using Agilent 7697/7890 Headspace GC FID. Limits are based on CO 1 CCR 212-3. Sample was analyzed as received. Deviations from SOP: None.

LOD = Limit of Detection, LOQ = Limit of Quantification, ND = Not Detected, NR = Not Reported



Results Analyzed By: Tyler Dorsey Associate Chemist



Results Approved By: Luke Mason, MS Lab Director







Aurum Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This certificate shall not be modified - Scan QR code to verify authenticity







Sample Name: Planetarie LLC-CBDa Soft gel C3 3.0

Sample Batch:

Sample Type: Capsule

Test Type: Potency

Nordic ID: 259862

Date Received: 04/14/2020

**Date Tested:** 04/15/2020

**Date Approved:** 04/15/2020

License Number: 403H-80970

METRC Tag: 1A4000712682A2A000004065

Seal State: Intact

# **Potency Report**

Cannabinoid	mg/Serving	PASS/FAIL
THC	ND	-
THCA	NR	-
CBD	ND	-
CBDA	20.51	-
CBN	ND	-
CBG	ND	-
CBGA	0.55	-
CBC	ND	-
CBDV	ND	-
THCV	ND	-
Total	21.06	-

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

Alway hikolayor

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prepared for: PLANETARIE 600 31ST STREET, SUITE B EVANS, CO 80620

Planetarie Softgel

Batch ID:	PHT022520	Test ID:	t000071375
Reported:	16-Apr-2020	Method:	Edible - Test Methods: TM05, TM06
Туре:	Edible		
Test:	Microbial Contaminants		

#### MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*	
Total Aerobic Count**	None Detected	
Total Coliforms**	None Detected	
Total Yeast and Molds**	None Detected	
E. coli	None Detected	
Salmonella	None Detected	

<sup>\*</sup> CFU/g = Colony Forming Unit per Gram

Examples: 10^2 = 100 CFU

10<sup>3</sup> = 1,000 CFU 10<sup>4</sup> = 10,000 CFU 10<sup>5</sup> = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected Coliforms: None Detected

#### FINAL APPROVAL

Septimo

Sarah Henning 16-Apr-2020 3:39 PM

Den Muton

Ben Minton 16-Apr-2020 7:43 PM

PREPARED BY / DATE

APPROVED BY / DATE

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 17025:2005 Accredited A2LA Certificate Number 4329.03





Certificate #4329.03

<sup>\*\*</sup> Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.





Planetarie LLC-CBDa Soft gel C3 3.0

Sample Name: Sample Batch:

Sample Type: Capsule

Test Type: Pesticides

Nordic ID: 259872

Date Received: 04/14/2020

**Date Tested:** 04/17/2020

Date Approved: 04/17/2020

License Number: 403H-80970

METRC Tag: 1A4000712682A2A000004065

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:** 

Lab Information:

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

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

Aleksey Nikolayev, PhD, Lab Director

Alengey hilolayor





Sample Name: Planetarie LLC-CBDa Soft gel C3 3.0

Sample Batch:

Sample Type: Capsule

Test Type: Residual Solvents (RSA)

Nordic ID: 259867

Date Received: 04/14/2020

Date Tested: 04/16/2020

**Date Approved:** 04/16/2020

License Number: 403H-80970

METRC Tag: 1A4000712682A2A000004065

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:

Nordic Analytical Laboratories

3960 Grape Street, Denver, CO 80207

www.nordicanalytic.com

Aleksey Nikolayev, PhD, Lab Director

Alway hiblayor

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Sample Name: Planetarie LLC-CBDa Soft gel C3 3.0

Sample Batch:

Sample Type: Capsule

Test Type: Heavy Metals

Nordic ID: 259877

Date Received: 04/14/2020

Date Tested: 04/23/2020

**Date Approved:** 04/23/2020

License Number: 403H-80970

METRC Tag: 1A4000712682A2A000004065

Seal State: Intact

# **Heavy Metals Report**

Metal	Result (ppm)	Limit (ppm)	Pass/Fail
Arsenic (As)	ND	1.5	PASS
Cadmium (Cd)	ND	0.5	PASS
Mercury (Hg)	ND	1.5	PASS
Lead (Pb)	NR	1	PASS

ND = Non-Detect

NR = Non-Reportable Value

Laboratory Notes:

SOP Reference:

Nordic Analytical SOP: 005-012

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

Aleksey Nikolayev, PhD, Lab Director

Alway hiblayor

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