

Airplane Mode CBD Spliff - Cannabinoid Potency

Barbari
 Portland, OR 97227

Harvest/Process Date: 12/1/2021
 Sample Date: 12/2/2021
 Analysis Date: 12/3/2021
 Report Date: 12/6/2021
 Report ID: LS-211206-8

Client Batch ID: HS211201
 Metrc Batch ID:
 Metrc Sample ID:

Sample Type: Other
 Sample Plan:
 Sample Procedure:
 160721_LAB-SOP_SampleCollection-v010

Potency

Potency Analysis Date: 12/3/2021
 Potency Batch ID: CAN_120321D
 Potency Method: JAOAC 2015.1

46.0 mg/g

**Total CBD
4.60%**

1.55 mg/g

**Total THC
0.155%**

Samples: CFX-TGP-NXT



Analyte	Description	LOQ	RPD (%)	Min.	Max.	Conc.	Unit: mg/g
Δ9THC	Delta-9 Tetrahydrocannabinol	0.010	-	-	-	0.878	
THCA	Tetrahydrocannabinolic acid	0.010	-	-	-	0.763	
CBD	Cannabidiol	0.010	-	-	-	10.8	
CBDA	Cannabidiolic acid	0.010	-	-	-	40.1	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.010	-	-	-	ND	
THCV	Tetrahydrocannabivarin*	0.010	-	-	-	<LOQ	
CBG	Cannabigerol*	0.010	-	-	-	0.119	
CBGA	Cannabigerolic acid*	0.010	-	-	-	0.772	
CBC	Cannabichromene*	0.010	-	-	-	0.645	
CBCA	Cannabichromenic acid*	0.010	-	-	-	0.652	
CBN	Cannabinol*	0.010	-	-	-	0.0340	
Total THC	Δ9THC + (THCA × 0.877)					1.55	
Total CBD	CBD + (CBDA × 0.877)					46.0	
Total						54.8	



Aaron Troyer
 Chief Science Officer

This data cannot be used for OLCC or OHA compliance for usable marijuana or marijuana products and is provided for Research and Development purposes only.



LS-211206-8

Airplane Mode CBD Spliff - Cannabinoid Potency

Barbari
 Portland, OR 97227

Harvest/Process Date: 12/1/2021
 Sample Date: 12/2/2021
 Analysis Date: 12/3/2021
 Report Date: 12/6/2021
 Report ID: LS-211206-8

Client Batch ID: HS211201
 Metrc Batch ID:
 Metrc Sample ID:

Sample Type: Other
 Sample Plan:
 Sample Procedure:
 160721_LAB-SOP_SampleCollection-v010



Potency Quality Control Data

Potency QC Analysis Date: 12/3/2021
 Potency QC Batch ID: CAN_120321D

Method: JAOAC 2015.1
 Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Δ9THC	ND	0.010	18.5	19.7	93.7	80 - 120	
THCA	ND	0.010	21.7	22.3	97.3	80 - 120	
CBD	ND	0.010	25.7	26.3	97.6	80 - 120	
CBDA	ND	0.010	22.3	22.3	99.8	80 - 120	

POTENCY - LIMIT OF DETECTION

Verified: 060221

Method: 160819_LAB-SOP_MethodValidation-CannabinoidPotency-v002.docx

Matrix	Analyte	LOD (ppm)	LOD (mg/g)
EXTRACT	Δ9THC	2.8	0.0028
	THCA	0.56	0.00056
	CBD	2.22	0.00222
	CBDA	0.52	0.00052
FLOWER	Δ9THC	1.88	0.00188
	THCA	5.32	0.00532
	CBD	1.31	0.00131
	CBDA	0.78	0.00078

Airplane Mode CBD Spliff - Cannabinoid Potency

Barbari
Portland, OR 97227

Harvest/Process Date: 12/1/2021
Sample Date: 12/2/2021
Analysis Date: 12/3/2021
Report Date: 12/6/2021
Report ID: LS-211206-8

Client Batch ID: HS211201
Metrac Batch ID:
Metrac Sample ID:

Sample Type: Other
Sample Plan:
Sample Procedure:
160721_LAB-SOP_SampleCollection-v010

Qualifier Flag Descriptions

J	Reported result is an estimate - the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
U	The analyte was not detected in the sample at the estimated detection limit (EDL)
E	Exceeds calibration range
D	Dilution data - result was obtained from the analysis of a dilution
B	Analyte found in sample and associated blank
C	Co-eluting compound
R	Relative Percent Difference (RPD) outside control limits
NR	Analyte not reported because of problems in sample preparation or analysis
ND	Non-Detect
X	Results from reinjection/repeat/re-column data
EMC	Estimated maximum possible concentration - indicates that a peak is detected but did not meet the method required criteria
M	Manual integration
PS	Peaks split
HB	Control acceptance criteria are exceeded high and the associated sample is below the detection limit
LB	Control acceptance criteria are exceeded low and the associated sample exceeds the regulatory limit
ME	Marginal Exceedance
LR	Low Recovery Analyte
LOQ	Limit of Quantitation

Airplane Mode CBD Spliff - Pesticides

Barbari
Portland, OR 97227

Harvest/Process Date: 12/1/2021
Sample Date: 12/2/2021
Analysis Date: 12/6/2021
Report Date: 12/6/2021
Report ID: LS-211206-11

Client Batch ID: HS211201
MetrC Batch ID:
MetrC Sample ID:

Sample Type: Non-Infused Preroll
Sample Plan:
Sample Procedure:
160721_LAB-SOP_SampleCollection-v010

Compliance

Pesticides Within limits Analysis Date: 12/6/2021 Pass 



Aaron Troyer
Chief Science Officer

This data cannot be used for OLCC or OHA compliance for usable marijuana or marijuana products and is provided for Research and Development purposes only.



LS - 2 1 1 2 0 6 - 1 1

Airplane Mode CBD Spliff - Pesticides


Barbari
 Portland, OR 97227

Harvest/Process Date: 12/1/2021
 Sample Date: 12/2/2021
 Analysis Date: 12/6/2021
 Report Date: 12/6/2021
 Report ID: LS-211206-11

Client Batch ID: HS211201
 Metrc Batch ID:
 Metrc Sample ID:

Sample Type: Non-Infused Preroll
 Sample Plan:
 Sample Procedure:
 160721_LAB-SOP_SampleCollection-v010

Pesticides Sample Data

Pesticides Analysis Date: 12/6/2021 Unit: µg/g (ppm) Pass 
 Pesticides Batch IDs: PST_120321B_2, Method: AOAC 2007.01 & EN 15662
 PST_120321A_2

Analyte	TMP-GJS-CMC	Limits	LOQ	Notes	Status	Analyte	TMP-GJS-CMC	Limits	LOQ	Notes	Status
Abamectin	ND	0.5	0.4		Pass	Metalaxyl	ND	0.2	0.2		Pass
Acephate	ND	0.4	0.2		Pass	Methiocarb	ND	0.2	0.2		Pass
Acequinocyl	ND	2.0	0.2		Pass	Methomyl	ND	0.4	0.2		Pass
Acetamiprid	ND	0.2	0.2		Pass	Methyl Parathion	ND	0.2	0.2		Pass
Aldicarb	ND	0.4	0.2		Pass	MGK-264	ND	0.2	0.2		Pass
Azoxystrobin	ND	0.2	0.2		Pass	Myclobutanil	ND	0.2	0.2		Pass
Bifenazate	ND	0.2	0.2		Pass	Naled	ND	0.5	0.4		Pass
Bifenthrin	ND	0.2	0.2		Pass	Oxamyl	ND	1.0	0.2		Pass
Boscalid	ND	0.4	0.2		Pass	Paclobutrazol	ND	0.4	0.2		Pass
Carbaryl	ND	0.2	0.2		Pass	Permethrins	ND	0.2	0.2		Pass
Carbofuran	ND	0.2	0.2		Pass	Phosmet	ND	0.2	0.2		Pass
Chlorantraniliprole	ND	0.2	0.2		Pass	Piperonyl Butoxide	ND	2.0	0.2		Pass
Chlorfenapyr	ND	1.0	1.0		Pass	Prallethrin	ND	0.2	0.2		Pass
Chlorpyrifos	ND	0.2	0.2		Pass	Propiconazole	ND	0.4	0.2		Pass
Clofentezine	ND	0.2	0.2		Pass	Propoxur	ND	0.2	0.2		Pass
Cyfluthrin	ND	1.0	1.0		Pass	Pyrethrins	ND	1.0	1.0		Pass
Cypermethrin	ND	1.0	1.0		Pass	Pyridaben	ND	0.2	0.2		Pass
Daminozide	ND	1.0	0.4		Pass	Spinosad	ND	0.2	0.2		Pass
Diazinon	ND	0.2	0.2		Pass	Spiromesifen	ND	0.2	0.2		Pass
Dichlorvos (DDVP)	ND	1.0	0.2		Pass	Spirotetramat	ND	0.2	0.2		Pass
Dimethoate	ND	0.2	0.2		Pass	Spiroxamine	ND	0.4	0.2		Pass
Ethoprophos	ND	0.2	0.2		Pass	Tebuconazole	ND	0.4	0.2		Pass
Etofenprox	ND	0.4	0.2		Pass	Thiacloprid	ND	0.2	0.2		Pass
Etoazole	ND	0.2	0.2		Pass	Thiamethoxam	ND	0.2	0.2		Pass
Fenoxycarb	ND	0.2	0.2		Pass	Trifloxystrobin	ND	0.2	0.2		Pass
Fenpyroximate	ND	0.4	0.2		Pass						
Fipronil	ND	0.4	0.2		Pass						
Fonicamid	ND	1.0	0.2		Pass						
Fludioxonil	ND	0.4	0.4		Pass						
Hexythiazox	ND	1.0	0.2		Pass						
Imazalil	ND	0.2	0.2		Pass						
Imidacloprid	ND	0.4	0.2		Pass						
Kresoxim-methyl	ND	0.4	0.4		Pass						
Malathion	ND	0.2	0.2		Pass						

Airplane Mode CBD Spliff - Pesticides

Barbari
Portland, OR 97227

Harvest/Process Date: 12/1/2021
 Sample Date: 12/2/2021
 Analysis Date: 12/6/2021
 Report Date: 12/6/2021
 Report ID: LS-211206-11

Client Batch ID: HS211201
 Metrc Batch ID:
 Metrc Sample ID:

Sample Type: Non-Infused Preroll
 Sample Plan:
 Sample Procedure:
 160721_LAB-SOP_SampleCollection-v010



Pesticides

Quality Control Data

Pesticides QC Analysis Date: 12/6/2021
 Pesticides Batch ID: PST_120321A_2

Unit: µg/g (ppm)
 Method: AOAC 2007.01 & EN 15662

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Methyl Parathion	ND	0.002	0.0407	0.0500	81.5	50 - 150	

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
---------	-------	-----	-----	-----------	-------------	------------	-------

Airplane Mode CBD Spliff - Pesticides

Barbari
 Portland, OR 97227

Harvest/Process Date: 12/1/2021
 Sample Date: 12/2/2021
 Analysis Date: 12/6/2021
 Report Date: 12/6/2021
 Report ID: LS-211206-11

Client Batch ID: HS211201
 Metrc Batch ID:
 Metrc Sample ID:

Sample Type: Non-Infused Preroll
 Sample Plan:
 Sample Procedure:
 160721_LAB-SOP_SampleCollection-v010

Pesticides Quality Control Data

Pesticides QC Analysis Date: 12/6/2021 Unit: µg/g (ppm)
 Pesticides Batch ID: PST_120321B_2 Method: AOAC 2007.01 & EN 15662

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.002	0.0464	0.0500	92.8	50 - 150		Metalaxyl	ND	0.002	0.0535	0.0500	107	50 - 150	
Acephate	ND	0.002	0.0555	0.0500	111	50 - 150		Methiocarb	ND	0.002	0.0544	0.0500	109	50 - 150	
Acequinocyl	ND	0.002	0.0504	0.0500	101	50 - 150		Methomyl	ND	0.002	0.0541	0.0500	108	50 - 150	
Acetamiprid	ND	0.002	0.0521	0.0500	104	50 - 150		MGK-264	ND	0.002	0.0487	0.0500	97.3	50 - 150	
Aldicarb	ND	0.002	0.0541	0.0500	108	50 - 150		Myclobutanil	ND	0.002	0.0614	0.0500	123	50 - 150	
Azoxystrobin	ND	0.002	0.0541	0.0500	108	50 - 150		Naled	ND	0.002	0.0645	0.0500	129	50 - 150	
Bifenazate	ND	0.002	0.0591	0.0500	118	50 - 150		Oxamyl	ND	0.002	0.0516	0.0500	103	50 - 150	
Bifenthrin	ND	0.002	0.0523	0.0500	105	50 - 150		Paclobutrazol	ND	0.002	0.0477	0.0500	95.4	50 - 150	
Boscalid	ND	0.002	0.0544	0.0500	109	50 - 150		Permethrins	ND	0.002	0.0442	0.0500	88.4	50 - 150	
Carbaryl	ND	0.002	0.0496	0.0500	99.1	50 - 150		Phosmet	ND	0.002	0.0524	0.0500	105	50 - 150	
Carbofuran	ND	0.002	0.0596	0.0500	119	50 - 150		Piperonyl Butoxide	ND	0.002	0.0588	0.0500	118	50 - 150	
Chlorantraniliprole	ND	0.002	0.0510	0.0500	102	50 - 150		Prallethrin	ND	0.002	0.0483	0.0500	96.6	50 - 150	
Chlorfenapyr	ND	0.002	0.0569	0.0500	114	50 - 150		Propiconazole	ND	0.002	0.0476	0.0500	95.2	50 - 150	
Chlorpyrifos	ND	0.002	0.0504	0.0500	101	50 - 150		Propoxur	ND	0.002	0.0529	0.0500	106	50 - 150	
Clofentezine	ND	0.002	0.0554	0.0500	111	50 - 150		Pyrethrins	ND	0.002	0.0467	0.0500	93.5	50 - 150	
Cyfluthrin	ND	0.002	0.0555	0.0500	111	50 - 150		Pyridaben	ND	0.002	0.0529	0.0500	106	50 - 150	
Cypermethrin	ND	0.002	0.0462	0.0500	92.3	50 - 150		Spinosad	ND	0.002	0.0475	0.0500	95.0	50 - 150	
Daminozide	ND	0.002	0.0528	0.0500	106	50 - 150		Spiromesifen	ND	0.002	0.0540	0.0500	108	50 - 150	
Diazinon	ND	0.002	0.0573	0.0500	115	50 - 150		Spirotetramat	ND	0.002	0.0547	0.0500	109	50 - 150	
Dichlorvos (DDVP)	ND	0.002	0.0480	0.0500	95.9	50 - 150		Spiroxamine	ND	0.002	0.0552	0.0500	110	50 - 150	
Dimethoate	ND	0.002	0.0561	0.0500	112	50 - 150		Tebuconazole	ND	0.002	0.0529	0.0500	106	50 - 150	
Ethoprophos	ND	0.002	0.0520	0.0500	104	50 - 150		Thiacloprid	ND	0.002	0.0595	0.0500	119	50 - 150	
Etofenprox	ND	0.002	0.0509	0.0500	102	50 - 150		Thiamethoxam	ND	0.002	0.0538	0.0500	108	50 - 150	
Etoazole	ND	0.002	0.0543	0.0500	109	50 - 150		Trifloxystrobin	ND	0.002	0.0524	0.0500	105	50 - 150	
Fenoxycarb	ND	0.002	0.0520	0.0500	104	50 - 150									
Fenproximate	ND	0.002	0.0465	0.0500	93.0	50 - 150									
Fipronil	ND	0.002	0.0502	0.0500	100	50 - 150									
Fonicamid	ND	0.002	0.0516	0.0500	103	50 - 150									
Fludioxonil	ND	0.002	0.0520	0.0500	104	50 - 150									
Hexythiazox	ND	0.002	0.0508	0.0500	102	50 - 150									
Imazalil	ND	0.002	0.0582	0.0500	116	50 - 150									
Imidacloprid	ND	0.002	0.0585	0.0500	117	50 - 150									
Kresoxim-methyl	ND	0.002	0.0556	0.0500	111	50 - 150									
Malathion	ND	0.002	0.0551	0.0500	110	50 - 150									

Airplane Mode CBD Spliff - Pesticides

Barbari

Portland, OR 97227

Harvest/Process Date: 12/1/2021

Sample Date: 12/2/2021

Analysis Date: 12/6/2021

Report Date: 12/6/2021

Report ID: LS-211206-11

Client Batch ID: HS211201

Metrac Batch ID:

Metrac Sample ID:

Sample Type: Non-Infused Preroll

Sample Plan:

Sample Procedure:

160721_LAB-SOP_SampleCollection-v010

Qualifier Flag Descriptions

J	Reported result is an estimate - the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
U	The analyte was not detected in the sample at the estimated detection limit (EDL)
E	Exceeds calibration range
D	Dilution data - result was obtained from the analysis of a dilution
B	Analyte found in sample and associated blank
C	Co-eluting compound
R	Relative Percent Difference (RPD) outside control limits
NR	Analyte not reported because of problems in sample preparation or analysis
ND	Non-Detect
X	Results from reinjection/repeat/re-column data
EMC	Estimated maximum possible concentration - indicates that a peak is detected but did not meet the method required criteria
M	Manual integration
PS	Peaks split
HB	Control acceptance criteria are exceeded high and the associated sample is below the detection limit
LB	Control acceptance criteria are exceeded low and the associated sample exceeds the regulatory limit
ME	Marginal Exceedance
LR	Low Recovery Analyte
LOQ	Limit of Quantitation