



## Sample Reefer's Bay - HHC Vape Cartridge - Blue Dream - 1 ml

<b>Sample ID:</b>	BBL_4573	<b>Matrix:</b>	Distillate	<b>Analyses Executed:</b>	CAN
<b>Company:</b>	Reefers Bay	<b>Batch ID:</b>	04JUL2023-RBHHCBD	<b>Reported:</b>	11 Sep, 2023
<b>Phone:</b>		<b>Received:</b>	20 Jul, 2023	<b>Note:</b>	Amended Report
<b>Address:</b>	8500 E 116th Street 443 Fishers, IN 46038				
<b>Email:</b>	support@reefersbay.com				

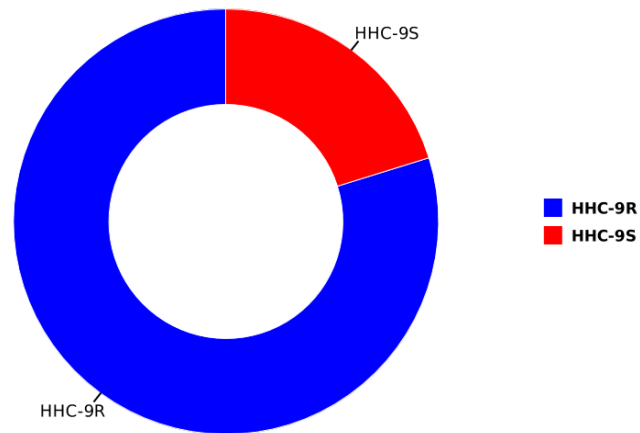
Lab Notes: Results reported for sample as received. Amended report for heavy metals to include retest data for lead

### Cannabinoid Profile Analysis

Analyzed 31 Jul, 2023 | Instrument HPLC-PDA | Method TM-101  
 Uncertainty Measurement at 95% confidence level is 10%, k=2

Analyte	LOD (ppm)	LOQ (ppm)	Result %	Result (mg/g)
Cannabidiol (CBD)	0.030	0.080	ND	ND
Cannabidiol acid (CBDa)	0.050	0.150	ND	ND
Cannabidiolic acid (CBDVa)	0.040	0.110	ND	ND
Cannabigerol (CBG)	0.060	0.190	ND	ND
Cannabigerol acid (CBGa)	0.040	0.120	ND	ND
Cannabinol (CBN)	0.080	0.230	ND	ND
Cannabinolic acid (CBNa)	0.080	0.250	ND	ND
Cannabichromene (CBC)	0.040	0.120	ND	ND
Cannabichromenic acid (CBCa)	0.350	1.060	ND	ND
Cannabicyclol (CBL)	0.090	0.280	ND	ND
D9-Tetrahydrocannabinol (D9-THC)	0.210	0.640	ND	ND
D9-Tetrahydrocannabinolic acid (THCa)	0.130	0.400	ND	ND
Tetrahydrocannabinol (THC)	0.120	0.360	ND	ND
Tetrahydrocannabinolic acid (THCVa)	0.050	0.160	ND	ND
Tetrahydrocannabinol (THCV)	0.080	0.240	ND	ND
D8-Tetrahydrocannabinol (D8-THC)	0.140	0.430	ND	ND
THCO-Acetate D9 (THCOAc-D9)	0.250	0.750	ND	ND
THCO-Acetate D8 (THCOAc-D8)	0.220	0.670	ND	ND
Hexahydrocannabinol-9R (HHC-9R)	0.150	0.450	81.6605	816.605
Hexahydrocannabinol-9S (HHC-9S)	0.230	0.680	20.626	206.26
Total THC (THCa * 0.877 + THC)			ND	ND
Total CBD (CBDa * 0.877 + CBD)			ND	ND
Total CBG (CBGa * 0.877 + CBG)			ND	ND
Total Cannabinoids			102.286	1022.865

### Sample Photography



NR Not Reportable  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Tested  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
 >ULOL Above upper limit of linearity  
 CFU/g Colony Forming Units per 1 gram  
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Dr. Archana R. Parameswar,  
 Laboratory Director  
 11 Sep, 2023 11:19:23 AM



## HME - Heavy Metals Detection Analysis

Analyzed 01 Aug, 2023 | Instrument ICP-MS | Method TM-105  
 Analysis Comment: Result '0' implies detection less than LOQ.

Analyte	LOD (ppb)	LOQ (ppb)	Result ug/g	Flag	Limit ug/g
Arsenic (As)	0.005	0.015	0		
Cadmium (Cd)	0.005	0.016	ND		
Mercury (Hg)	0.004	0.013	0		
Lead (Pb)	0.075	0.224	0		

## MIB - Microbial Testing Analysis

Analyzed 26 Jul, 2023 | Instrument PCR/ Plating | Method TM-109

Analyte	Limit (CFU/g)	Result CFU/g	Flag
Salmonella SPP		NEG	
Total Yeast & Mold		<10	
Aspergillus fumigatus		NEG	
Aspergillus flavus		NEG	
Aspergillus niger		NEG	
Aspergillus terreus		NEG	
Shiga toxin-producing Escherichia Coli		NEG	

## MTO - Mycotoxin Testing Analysis

Analyzed 26 Jul, 2023 | Instrument LCMS-MS | Method TM-104

Analyte	LOD (ppb)	LOQ (ppb)	Result ug/kg (ppb)	Flag	Limit ug/kg
Mycotoxin B1	0.000	0.010	N D		
Mycotoxin B2	0.010	0.030	N D		
Mycotoxin G1	0.010	0.020	N D		
Mycotoxin G2	0.010	0.040	N D		
Ochratoxin A	0.020	0.060	N D		
Total Mycotoxins			N D		

## PES - Pesticides Screening Analysis

Analyzed 26 Jul, 2023 | Instrument LCMS-MS | Method TM-103

NR Not Reportable  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Tested  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
 >ULOL Above upper limit of linearity  
 CFU/g Colony Forming Units per 1 gram  
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Dr. Archana R. Parameswar,  
 Laboratory Director  
 11 Sep, 2023 11:19:23 AM

# Bluebonnet Labs Certificate of Analysis

2567 Valley View Ln, Dallas, TX 75234, United States | TX Registration #: TL2020031

DEA #: RP0607436 | ISO/IEC 17025:2017 Certificate #: 6400.01



## Bluebonnet Labs

Analytes	LOD (ppb)	LOQ (ppb)	Result ug/g	Flag	Limit ug/g
Abamectin	0.110	0.330	N D		
Acephate	0.230	0.700	N D		
Acequinocyl	0.110	0.320	N D		
Acetamiprid	0.020	0.050	N D		
Aldicarb	0.020	0.050	N D		
Azoxystrobin	0.020	0.060	N D		
Bifenazate	0.010	0.030	N D		
Bifenthrin	0.020	0.060	N D		
Boscalid	0.060	0.170	N D		
Carbaryl	0.010	0.040	N D		
Carbofuran	0.010	0.020	N D		
Chlorpyrifos	0.010	0.030	N D		
Chlorantraniliprole	0.010	0.030	N D		
Glofentazine	0.010	0.040	N D		
Coumaphos	0.040	0.120	N D		
Cyfluthrin	2.320	7.020	N D		
Cypermethrin	0.370	1.130	N D		
Daminozide	0.550	1.650	N D		
Dichlorvos	0.050	0.140	N D		
Dimethoate	0.010	0.020	N D		
Dimethomorph	0.010	0.030	N D		
Ethoprophos	0.020	0.050	N D		
Etoxazole	0.010	0.020	N D		
Etofenprox	0.010	0.040	N D		
Fenhexamid	0.040	0.140	N D		
Fenoxycarb	0.020	0.060	N D		
Fenpyroximate	0.010	0.040	N D		
Fipronil	0.010	0.040	N D		
Fludioxinil	0.020	0.050	N D		
Flonicamide	0.010	0.030	N D		
Imazalil	0.060	0.170	N D		
Hexythiazox	0.010	0.020	N D		
Imidacloprid	0.040	0.110	N D		
Kresoxim-methyl	0.020	0.050	N D		
Malathion	0.010	0.030	N D		
Metalaxyl	0.010	0.020	N D		
Methiocarb	0.010	0.030	N D		
Methomyl	0.020	0.050	N D		
Mevinphos	0.060	0.180	N D		
Myclobutanil	1.190	3.610	N D		
Naled	0.030	0.080	N D		
Paclobutrazole	0.020	0.060	N D		
Oxamyl	0.020	0.050	N D		
Permethrin	0.080	0.260	N D		
Phosmet	0.010	0.030	N D		
Piperonyl butoxide	0.010	0.040	N D		
Prallethrin	0.100	0.300	N D		

**NR** Not Reportable  
**ND** Not Detected  
**N/A** Not Applicable  
**NT** Not Tested  
**LOD** Limit of Detection  
**LOQ** Limit of Quantification  
**<LOQ** Detected  
**>ULOL** Above upper limit of linearity  
**CFU/g** Colony Forming Units per 1 gram  
**TNTC** Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Dr. Archana R. Parameswar,  
 Laboratory Director  
 11 Sep, 2023 11:19:23 AM

\*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise. All required LQC (Laboratory Quality Control) samples were included in the performance of these analyses and met the acceptance criteria for ISO/IEC Regulations.

**Bluebonnet Labs** Certificate of Analysis

2567 Valley View Ln, Dallas, TX 75234, United States | TX Registration #: TL2020031

DEA #: RP0607436 | ISO/IEC 17025:2017 Certificate #: 6400.01



Bluebonnet Labs

Analytes	LOD (ppb)	LOQ (ppb)	Result ug/g	Flag	Limit ug/g
Propiconazole	0.070	0.220	N D		
Propoxur	0.010	0.030	N D		
Pyrethrin-I	0.020	0.060	N D		
Pyridaben	0.010	0.020	N D		
Spinetoram	0.230	0.690	N D		
Spinosyn A	0.010	0.020	N D		
Spinosyn D	0.000	0.010	N D		
Spiromesifen	0.050	0.140	N D		
Spirotetramat	0.010	0.030	N D		
Spiroxamine	0.010	0.030	N D		
Tebuconazole	0.010	0.030	N D		
Thiachloprid	0.010	0.030	N D		
Methyl parathion	0.050	0.140	N D		
Thiamethoxam	0.010	0.040	N D		
Diazinon	0.010	0.040	N D		
Chlordane	0.740	2.250	N D		
Trifloxystrobin	0.010	0.030	N D		
Chlorfenapyr	0.830	2.530	N D		
Pentachloronitrobenzene	0.060	0.170	N D		

**NR** Not Reportable  
**ND** Not Detected  
**N/A** Not Applicable  
**NT** Not Tested  
**LOD** Limit of Detection  
**LOQ** Limit of Quantification  
**<LOQ** Detected  
**>ULOL** Above upper limit of linearity  
**CFU/g** Colony Forming Units per 1 gram  
**TNTC** Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Dr. Archana R. Parameswar,  
 Laboratory Director  
 11 Sep, 2023 11:19:23 AM

\*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise. All required LQC (Laboratory Quality Control) samples were included in the performance of these analyses and met the acceptance criteria for ISO/IEC Regulations.



## RES – Residual Solvent Analysis

Analyzed 26 Jul, 2023 | Instrument HS-GC/MS | Method TM-106

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Flag	Limit ug/g
Propane	0.470	1.410	N D		
Butane	0.200	0.610	N D		
Methanol	0.070	0.230	N D		
Pentane	0.130	0.410	N D		
Ethanol	0.130	0.380	N D		
Ethyl ether	0.020	0.070	N D		
Acetone	0.060	0.180	N D		
Isopropyl alcohol	0.030	0.090	N D		
Acetonitrile	0.020	0.060	N D		
Methylene chloride	0.010	0.020	N D		
Hexane	0.030	0.080	N D		
Ethyl acetate	0.030	0.080	N D		
Chloroform	0.010	0.030	N D		
Benzene	0.010	0.030	N D		
1,2-Dichloroethane	0.010	0.030	N D		
Heptane	0.020	0.060	N D		
Trichloroethene	0.010	0.030	N D		
Toluene	0.010	0.020	N D		
Isobutane	3.900	11.820	N D		
Ethyl benzene	1.700	5.160	N D		
m,p-Xylenes	0.010	0.030	N D		
o-Xylene	0.010	0.020	N D		

**NR** Not Reportable  
**ND** Not Detected  
**N/A** Not Applicable  
**NT** Not Tested  
**LOD** Limit of Detection  
**LOQ** Limit of Quantification  
**<LOQ** Detected  
**>ULOL** Above upper limit of linearity  
**CFU/g** Colony Forming Units per 1 gram  
**TNTC** Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

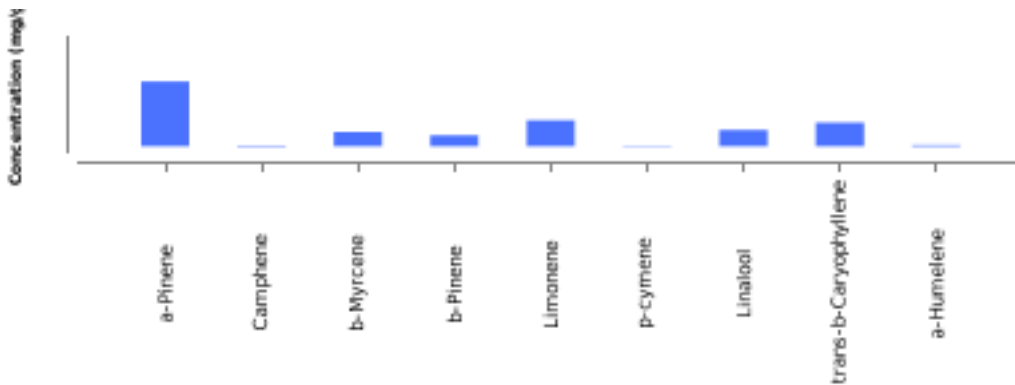
Dr. Archana R. Parameswar,  
 Laboratory Director  
 11 Sep, 2023 11:19:23 AM



## TER- Terpenes Analysis

Analyzed 26 Jul, 2023 | Instrument HS-GC/MS | Method TM-102

Analyte	LOD (ppm)	LOQ (ppm)	Result %	Result mg/g
a-Pinene	0.840	2.540	0.792	7.92
Camphene	0.940	2.850	0.012	0.12
b-Myrcene	1.080	3.260	0.174	1.74
b-Pinene	1.110	3.380	0.133	1.33
3-Carene	0.460	1.400	N D	N D
a-Terpinene	1.180	3.570	N D	N D
a-ocimene	0.240	0.710	N D	N D
Limonene	0.730	2.210	0.317	3.17
p-cymene	0.680	2.070	0.008	0.08
cis-b-Ocimene	0.680	2.050	N D	N D
Eucalyptol	1.500	4.530	N D	N D
γ-Terpinene	0.570	1.720	N D	N D
Terpinolene	0.970	2.950	N D	N D
Linalool	1.830	5.550	0.202	2.01
Isopulegol	1.650	4.990	N D	N D
Geraniol	0.780	2.370	N D	N D
trans-b-Caryophyllene	0.910	2.760	0.29	2.9
α-Humulene	0.960	2.920	0.016	0.16
cis-Nerolidol	0.510	1.540	N D	N D
trans-Nerolidol	1.110	3.360	N D	N D
Guaiol	2.800	8.490	N D	N D
Caryophyllene Oxide	0.970	2.950	N D	N D
α-Bisabolol	2.500	7.560	N D	N D
Total Terpene Concentration			1.943	19.51



NR Not Reportable  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Tested  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
 >ULOL Above upper limit of linearity  
 CFU/g Colony Forming Units per 1 gram  
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Dr. Archana R. Parameswar,  
 Laboratory Director  
 11 Sep, 2023 11:19:23 AM