

Client: Rocky Mountain Farms Ltd.

Order-Sample No: 00455-01

Sample Name: Huckleberry Pie

Date Received: 15-Feb-2024

Sample Matrix: Dried Flower

Date Reported: 4-Mar-2024

Lot No: 051023-0423

SUMMARY

Potency	Total THC (mg/g)	Total CBD (mg/g)	Total Cannabinoids* (mg/g)
	184.642	<0.0001	200.078
Heavy Metals	Within Limit		
Terpenes	Total Terpenes (%)		
	2.400		
Microbials	Within Limit		
Foreign Matter	Within Limit		
Moisture Content	Moisture (%)		
	12.34		
Toxicology	Within Limit		
Pesticide	Within Limit		

Legend:

LOQ Limit of Quantification

<LOQ Below Limit of Quantification

ppm Parts Per Million (µg/g for dry weight)

ppb Parts Per Billion (ng/g for dry weight)

ND Not Detected


¥ indicates results outside of limit.

† ISO 17025 accredited method

 Results in **RED** are outside of limit

 Results in **GREEN** are within limit

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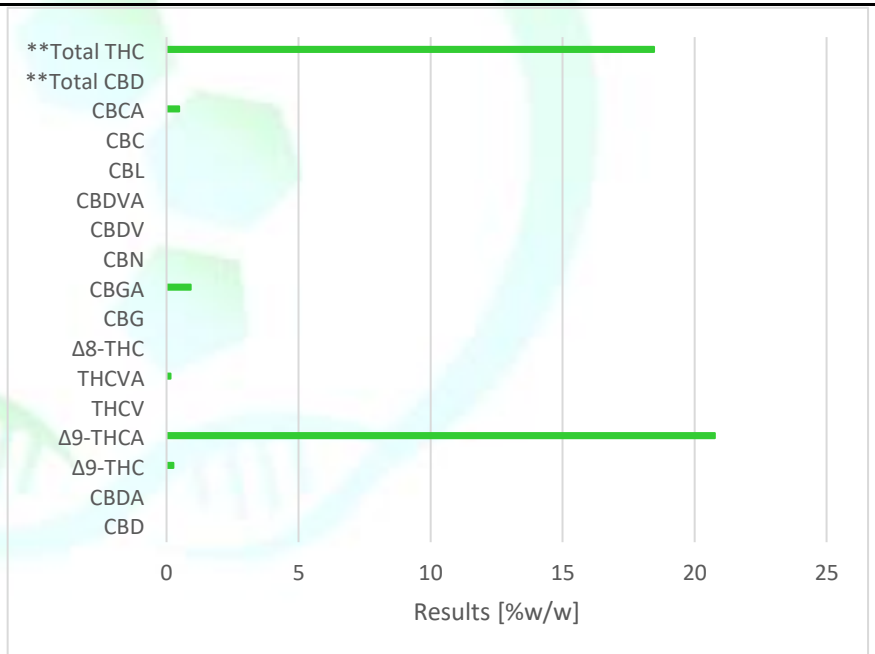

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POTENCY ANALYSIS

Analyte	Results [mg/g]	LOQ [mg/g]	Results [%w/w]
CBD	ND	0.0001	
CBDA	ND	0.0001	
Δ^9 -THC	2.551	0.0001	0.255
Δ^9 -THCA	207.629	0.0001	20.763
THCV	ND	0.0001	
THCVA	1.457	0.0001	0.146
Δ^8 -THC	ND	0.0001	
CBG	ND	0.0001	
CBGA	9.163	0.0001	0.916
CBN	ND	0.0001	
CBDV	ND	0.0001	
CBDVA	ND	0.0001	
CBL	ND	0.0001	
CBC	ND	0.0001	
CBCA	4.816	0.0001	0.482
**Total CBD	<0.0001		<0.001
**Total THC	184.642		18.464
* Total Cannabinoids	200.078		20.008

* based on available compounds detected

 **Calculated as: Total
 $CBD = CBD + (0.877)CBDA$ / Total THC =
 $THC + (0.877)THCA$

 Modified UNODC method based on
 chromatography principles of USP<621>

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HEAVY METALS ANALYSIS

Analyte	Results [ppb]	LOQ [ppb]	Limits [ppb]
Arsenic	26.0706	1	200
Cadmium	108.3379	1	300
Mercury	<LOQ	1	100
Lead	28.0748	1	500

Adopted USP Ph.<232> and <233> methods.

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TERPENE ANALYSIS

Analyte	Results [ppm]	Results [mg/g]	Results [% w/w]
beta-Citronellol	32.486	0.032	0.003
Germacrene B	74.229	0.074	0.007
Fenchol	83.272	0.083	0.008
Selina-3,7(11)-diene	307.914	0.308	0.031
Camphene	93.776	0.094	0.009
beta-Myrcene	10413.461	10.413	1.041
Phellandrenes	92.153	0.092	0.009
3-Carene	<LOQ	<LOQ	<LOQ
Eucalyptol	<LOQ	<LOQ	<LOQ
Ocimenes	4937.893	4.938	0.494
Camphor	<LOQ	<LOQ	<LOQ
Isoborneol	<LOQ	<LOQ	<LOQ
DL-Menthol	97.655	0.098	0.010
Geranyl acetate	210.825	0.211	0.021
beta(-)-trans-Caryophyllene	1535.457	1.535	0.154
Farnesene	1213.836	1.214	0.121
Valencene	243.640	0.244	0.024
(-)-Caryophyllene oxide	124.619	0.125	0.012
(+)-Cedrol	88.621	0.089	0.009
(-)-alpha-Bisabolol	365.092	0.365	0.037
alpha-Pinene	1288.310	1.288	0.129
Sabinene	<LOQ	<LOQ	<LOQ
alpha-Terpinene	86.293	0.086	0.009
gamma-Terpinene	83.728	0.084	0.008
Sabinene hydrate	91.139	0.091	0.009
Fenchone	88.288	0.088	0.009
(1R)-endo-(+)-Fenchyl alcohol	101.103	0.101	0.010
(+)-Pulegone	<LOQ	<LOQ	<LOQ
alpha-Humulene	435.973	0.436	0.044
trans-Nerolidol	124.506	0.125	0.012
Guaiol	<LOQ	<LOQ	<LOQ
beta-Pinene	506.495	0.506	0.051
p-Cymene	<LOQ	<LOQ	<LOQ
(R)-(+)-Limonene	217.915	0.218	0.022
Terpinolene	25.728	0.026	0.003
Linalool	318.979	0.319	0.032

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TERPENE ANALYSIS

Analyte	Results [ppm]	Results [mg/g]	Results [% w/w]
Borneol	37.638	0.038	0.004
(-)-alpha-Terpineol	49.779	0.050	0.005
Geraniol	84.028	0.084	0.008
cis-Nerolidol	75.005	0.075	0.008
beta-Eudesmol	105.493	0.105	0.011
Phytol I	<LOQ	<LOQ	<LOQ
Phytol II	366.891	0.367	0.037
Total			2.400

* based on available compounds detected

Adopted method based on UNODC guideline

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
Date Reported: 4-Mar-2024

MICROBIAL ANALYSIS

Microbial Assays	Results [CFU/g]	Limits [CFU/g or, CFU/ml]
Total Aerobic Plate Count	<100	<500,000
Total Yeast and Mold Count	<49,500	<50,000
Bile Tolerant Gram (-) Bacteria	<10	<10,000
<i>E. coli</i>	Absent	Absence in 1g/1ml
<i>Salmonella spp.</i>	Absent	Absence in 25g/25ml
<i>S. aureus</i>	Absent	Absence in 1g/1ml
<i>P. aeruginosa</i>	Absent	Absence in 1g/1ml

Adopted method based on Eur. Ph. <2.6.12><2.6.31>

Specification Limit Eur. Ph. <5.1.8>

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FOREIGN MATTER ANALYSIS

Parameters	Results	Limits
Stalks	0	Report
Insects/parts of insects	0	Absent
extraneous substances	0	Absent
Living infestations	0	Absent

Adopted method based on AOAC 970.74

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MOISTURE ANALYSIS

Test	Results [%]
Moisture Content	12.34
In house method	

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TOXICOLOGY ANALYSIS

Analyte	Results [ppb]	LOQ [ppb]	Limits [ppb]
Aflatoxin B1	<LOQ	0.3	<2
Aflatoxin B2	<LOQ	1	
Aflatoxin G1	<LOQ	1	
Aflatoxin G2	<LOQ	1	
Sum B1,B2,G1,G2	<LOQ		<4

USP limits for Aflatoxins: Sum of Aflatoxins B1, B2, G1, G2 must be less than 4ppb.

Adopted method based on Eur. Ph<2.8.18>

Sourced through a ISO-17025 accredited lab

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PESTICIDE ANALYSIS


Analyte	LOQ [ppb]	Results [ppb]	Analyte	LOQ [ppb]	Results [ppb]	Analyte	LOQ [ppb]	Results [ppb]
Abamectin	5	ND	Endosulfan sulfate**	25	ND	Paclobutrazol	5	ND
Acephate	5	ND	Endosulfan-alpha**	50	ND	Parathion-methyl**	25	ND
Acequinocyl	5	ND	Endosulfan-beta**	25	ND	Permethrin	5	ND
Acetamiprid	5	ND	Ethoprophos	5	ND	Phenothrin	5	ND
Aldicarb	5	ND	Etofenprox	5	ND	Phosmet	5	ND
Allethrin	5	ND	Etoxazole	5	ND	Piperonyl butoxide	5	ND
Azadirachtin	5	ND	Etridiazole**	5	ND	Pirimicarb	5	ND
Azoxystrobin	5	ND	Fenoxycarb	5	ND	Prallethrin	5	ND
Benzovindiflupyr	5	ND	Fenpyroximate	5	ND	Propiconazole	5	ND
Bifenazate	5	ND	Fensulfthion	5	ND	Propoxur	5	ND
Bifenthrin	5	ND	Fenthion	5	ND	Pyraclostrobin	5	ND
Boscalid	5	ND	Fenvalerate	5	ND	Pyrethrins	5	ND
Buprofezin	5	ND	Fipronil	5	ND	Pyridaben	5	ND
Carbaryl	5	ND	Flonicamid	5	ND	Quintozene**	5	ND
Carbofuran	5	ND	Fludioxonil	5	ND	Resmethrin	5	ND
Chlorantraniliprole	5	ND	Fluopyram	5	ND	Spinetoram	5	ND
Chlorphenapyr**	25	ND	Hexythiazox	5	ND	Spinosad	5	ND
Chlorpyrifos	5	ND	Imazalil	5	ND	Spirodiclofen	5	ND
Clofentezine	5	ND	Imidacloprid	5	ND	Spiromesifen	5	ND
Clothianidin	5	ND	Iprodione	5	ND	Spirotetramat	5	ND
Coumaphos	5	ND	Kinoprene**	25	ND	Spiroxamine	5	ND
Cyantraniliprole	5	ND	Kresoxim-methyl	5	ND	Tebuconazole	5	ND
Cyfluthrin**	100	ND	Malathion	5	ND	Tebufenozide	5	ND
Cypermethrin**	100	ND	Metalaxyl	5	ND	Teflubenzuron	5	ND
Cyprodinil	5	ND	Methiocarb	5	ND	Tetrachlorvinphos	5	ND
Daminozide	5	ND	Methomyl	5	ND	Tetramethrin	5	ND
Deltamethrin	5	ND	Methoprene	5	ND	Thiacloprid	5	ND
Diazinon	5	ND	Mevinphos	5	ND	Thiamethoxam	5	ND
Dichlorvos	5	ND	MGK-264**	25	ND	Thiophanate-methyl	5	ND
Dimethoate	5	ND	Myclobutanil	5	ND	Trifloxystrobin	5	ND
Dimethomorph	5	ND	Naled	5	ND			
Dinotefuran	5	ND	Novaluron	5	ND			
Dodemorph	5	ND	Oxamyl	5	ND			

**Detectable only by GC-MS

Please see the appendix for Health Canada pesticide reporting limits

Adopted method based on USP<561>

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Pesticides Reporting Limits (Health Canada)

Analyte	Fresh [ppb]	Dry [ppb]	Oil [ppb]	Analyte	Fresh [ppb]	Dry [ppb]	Oil [ppb]
Abamectin	250	100	250	Hexythiazox	10	10	N/A
Acephate	50	20	50	Imazalil	10	50	10
Acequinocyl	50	30	N/A	Imidacloprid	10	20	10
Acetamiprid	50	100	50	Iprodione	500	1000	500
Aldicarb	500	1000	500	Kinoprene**	50	500	1250
Allethrin	100	200	100	Kresoxim-methyl	10	20	150
Azadirachtin	500	1000	500	Malathion	10	20	10
Azoxystrobin	10	20	10	Metalaxyl	10	20	10
Benzovindiflupyr	10	20	10	Methiocarb	10	20	10
Bifenazate	50	20	10	Methomyl	50	50	25
Bifenthrin	100	1000	N/A	Methoprene	1000	2000	N/A
Boscalid	10	20	10	Mevinphos	25	50	25
Buprofezin	10	20	N/A	MGK-264**	50	50	N/A
Carbaryl	25	50	25	Myclobutanil	10	20	10
Carbofuran	10	20	10	Naled	200	100	N/A
Chlorantraniliprole	10	20	N/A	Novaluron	25	50	25
Chlorphenapyr**	100	50	1500	Oxamyl	1500	3000	1500
Chlorpyrifos	10	40	500	Paclobutrazol	10	20	10
Clofentezine	10	20	10	Parathion-methyl**	30	50	N/A
Clothianidin	25	50	25	Permethrin	500	500	N/A
Coumaphos	10	20	10	Phenothrin	25	50	N/A
Cyantraniliprole	10	20	10	Phosmet	10	20	N/A
Cyfluthrin**	1000	200	N/A	Piperonyl butoxide	250	200	1250
Cypermethrin**	1000	300	N/A	Pirimicarb	10	20	10
Cyprodinil	250	250	10	Prallethrin	50	50	N/A
Daminozide	50	100	N/A	Propiconazole	10	100	N/A
Deltamethrin	1000	500	N/A	Propoxur	10	20	10
Diazinon	10	20	N/A	Pyraclostrobin	10	20	10
Dichlorvos	50	100	50	Pyrethrins	25	50	N/A
Dimethoate	10	20	10	Pyridaben	25	50	20
Dimethomorph	50	50	N/A	Quintozene**	10	20	N/A
Dinotefuran	50	100	50	Resmethrin	20	100	50
Dodemorph	50	50	N/A	Spinetoram	10	20	10
Endosulfan sulfate**	500	50	2500	Spinosad	10	100	10
Endosulfan-alpha**	100	200	2500	Spirodiclofen	250	250	N/A
Endosulfan-beta**	500	50	2500	Spiromesifen	50	3000	N/A
Ethoprophos	10	20	10	Spirotetramat	100	20	10
Etofenprox	10	50	N/A	Spiroxamine	10	100	N/A
Etoxazole	10	20	N/A	Tebuconazole	10	50	10
Etridiazole**	10	30	150	Tebufenozide	10	20	10
Fenoxycarb	10	20	10	Teflubenzuron	25	50	25
Fenpyroximate	20	20	N/A	Tetrachlorvinphos	10	20	10
Fensulfothion	10	20	10	Tetramethrin	50	100	N/A
Fenthion	10	20	10	Thiacloprid	10	20	10
Fenvalerate	100	100	N/A	Thiamethoxam	10	20	10
Fipronil	10	60	10	Thiophanate-methyl	30	50	N/A
Fonicamid	25	50	25	Trifloxystrobin	10	20	10
Fludioxonil	10	20	10				
Fluopyram	10	20	10				

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