

Report ID: 457706-OAS
Report Date: 22-Sep-22
Date Received: 16-Sep-22

CERTIFICATE OF ANALYSIS

for
RedeCan Pharm
182 Foss Road
Fenwick, ON L0S 1C0

rpc

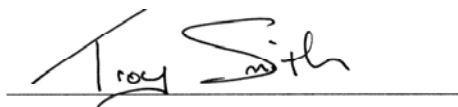
921 College Hill Rd
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Canada E3B 6Z9
Tel: 506.452.1212
Fax: 506.452.0594
www.rpc.ca

Attention: Lab Redecan
Project #: Not Available

Aflatoxins in cannabis EP

RPC Sample ID:	457706-1		
Client Sample ID:	Cold Creek Kush Pre Roll - CCK25722		
Date Sampled:	14-Sep-22		
Matrix:	cannabis		
Analytes	Units	RL	
Aflatoxin B1	ng/g	2	< 2
Total Aflatoxin (B1, G1, B2, G2)	ng/g	4	< 4

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RL = Reporting Limit, ND = Not Detected



Troy Smith
Lab Supervisor
Organic Analytical Services



Candice Inman
Senior Technician
Organic Analytical Services

AFLATOXINS EP

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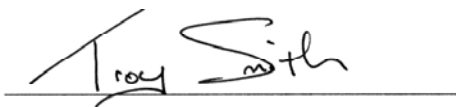
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Cannabinoids in cannabis (mg/g) by HPLC

RPC Sample ID:	457706-1		
Client Sample ID:	Cold Creek Kush Pre Roll - CCK25722		
Date Sampled:	14-Sep-22		
Matrix:	cannabis		
Analytes	Units	RL	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	mg/g	0.50	51.8
Delta 9-Tetrahydrocannabinolic Acid (Delta 9-THCA)	mg/g	0.50	165
Cannabidiol (CBD)	mg/g	0.50	ND
Cannabidiolic Acid (CBDA)	mg/g	0.50	< 0.50
Cannabigerol (CBG)	mg/g	0.50	1.69
Cannabigerolic Acid (CBGA)	mg/g	0.50	7.69
Cannabinol (CBN)	mg/g	0.50	ND
Cannabichromene (CBC)	mg/g	0.50	1.13
Total Delta 9-Tetrahydrocannabinol (Delta 9-THC)	mg/g	0.70	197
Total Cannabidiol (CBD)	mg/g	0.70	< 0.70
Total Cannabigerol (CBG)	mg/g	0.70	8.43

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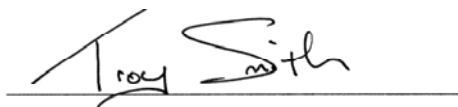
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Foreign matter in cannabis

RPC Sample ID:	457706-1		
Client Sample ID:	Cold Creek Kush Pre Roll - CCK25722		
Date Sampled:	14-Sep-22		
Matrix:	cannabis		
Analytes	Units	RL	
Foreign matter	%	2	< 2

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FOREIGN MATTER

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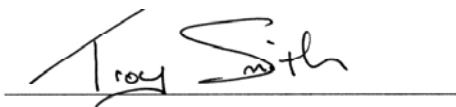
Moisture in cannabis

RPC Sample ID:	457706-1		
Client Sample ID:	Cold Creek Kush Pre Roll - CCK25722		
Date Sampled:	14-Sep-22		
Matrix:	cannabis		
Analytes	Units	RL	
Moisture (Loss on Drying)	%		9.92

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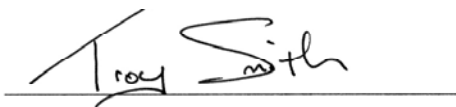
Terpenes in cannabis

RPC Sample ID:	457706-1		
Client Sample ID:	Cold Creek Kush Pre Roll - CCK25722		
Date Sampled:	14-Sep-22		
Matrix:	cannabis		
Analytes	Units	RL	
3-carene	%	0.01	< 0.01
Alpha pinene	%	0.01	0.04
Alpha-bisabolol	%	0.01	0.02
Beta pinene	%	0.01	0.02
Borneol	%	0.01	< 0.01
Caryophyllene	%	0.01	0.18
Cis-nerolidol	%	0.01	< 0.01
Cis-ocimene	%	0.01	< 0.01
Eucalyptol	%	0.01	< 0.01
Fenchol	%	0.01	< 0.01
Guaiol	%	0.01	< 0.01
Humulene	%	0.01	0.07
Limonene	%	0.01	0.05
Linalool	%	0.01	0.06
Myrcene	%	0.01	0.74

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Attention: Lab Redecan
Project #: Not Available

Terpenes in cannabis

RPC Sample ID:	457706-1		
Client Sample ID:	Cold Creek Kush Pre Roll - CCK25722		
Date Sampled:	14-Sep-22		
Matrix:	cannabis		
Analytes	Units	RL	
Sabinene	%	0.01	< 0.01
Terpineol	%	0.01	< 0.01
Terpinolene	%	0.01	< 0.01
Trans-nerolidol	%	0.01	0.03
Trans-ocimene	%	0.01	0.10
Valencene	%	0.01	< 0.01
Total terpenes	%	0.05	1.31

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Method Summary

Aflatoxin by Immuno Affinity/HPLC (SOP: OAS-SV19). Reference USP 44<561> Method III

Foreign Material: USP 44<561>

Cannabinoids by solvent extraction HPLC-VWD (SOP: OAS-SV21).

Reference Method: 'Recommended Methods for the Identification and Analysis of Cannabis and Cannabis Products' United Nations Office on Drugs and Crime.

Moisture: USP 44<921> Method 3.

Terpenes by solvent extraction GC-MSD (SOP:OAS-SV23).

COMMENTS

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Project #: Not Available

Summary of Date Analyzed

RPC Sample ID	Aflatoxins (EP)		Foreign Matter		HPLC Cannabinoids mg_g	
	Extracted	Analyzed	Extracted	Analyzed	Extracted	Analyzed
457706-1	19-Sep-22	20-Sep-22	16-Sep-22	16-Sep-22	20-Sep-22	21-Sep-22

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Project #: Not Available

Summary of Date Analyzed

RPC Sample ID	Moisture		Terpenes	
	Extracted	Analyzed	Extracted	Analyzed
457706-1	19-Sep-22	19-Sep-22	19-Sep-22	21-Sep-22

DATE ANALYZED SUMMARY

CERTIFICATE OF ANALYSIS / CERTIFICAT D'ANALYSE

for/pour
 RedeCan Pharm
 182 Foss Road
 Fenwick, ON L0S 1C0



921 College Hill Rd
 Fredericton NB
 Canada E3B 6Z9
 Tel: 506.452.1368
 Fax: 506.452.1395
 www.rpc.ca

Attention: Lab Redecan / Elizabeth Ward

P/O #: P100004999

Microbiological Examination of Cannabis

RPC Sample ID/No. d'échantillon de RPC:		457706-1		
Client Sample ID/ID d'échantillon du client:		Cold Creek Kush Pre Roll - CCK25722		
Date collected/Date du prélèvement		14-Sep-22		
Analytes/Paramètre(s)	Method/Méthode	Date Analyzed Date Analysé	Units Unités	
Bile Tolerant Gram Negative	MICRO30-USP 62	19-Sep-22	MPN/g	<10
E. coli	MICRO43	19-Sep-22	g	a
Salmonella	MICRO43	19-Sep-22	25g	a
Total Bacteria Count	MICRO40-MFHPB-18	19-Sep-22	cfu/g	30
Yeasts/molds	MICRO41-MFHBP-22	19-Sep-22	cfu/g	<10/10

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Le présent rapport ne s'applique qu'aux échantillons et à l'information transmise au laboratoire.

a = absent/absentes

Cathy Hay
 Microbiology Supervisor
 Applied and Experimental Bioscience

Morgan Armour
 Microbiology Technician
 Applied and Experimental Bioscience

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Attention: Lab Redecan
Project #: Not Available

Pesticides in cannabis

RPC Sample ID:		457706-1	
Client Sample ID:		Cold Creek Kush Pre Roll - CCK25722	
Date Sampled:		14-Sep-22	
Matrix:		cannabis	
Analytes	Units	RL	
Abamectin	mg/kg	0.05	< 0.05
Acephate	mg/kg	0.01	< 0.01
Acequinocyl	mg/kg	0.01	< 0.01
Acetamiprid	mg/kg	0.01	< 0.01
Aldicarb	mg/kg	0.02	< 0.02
Allethrin	mg/kg	0.01	< 0.01
Azadirachtin	mg/kg	0.02	< 0.02
Azoxystrobin	mg/kg	0.01	< 0.01
Benzovindiflupyr	mg/kg	0.01	< 0.01
Bifenazate	mg/kg	0.01	< 0.01
Bifenthrin	mg/kg	0.02	< 0.02
Boscalid	mg/kg	0.02	< 0.02
Buprofezin	mg/kg	0.01	< 0.01
Carbaryl	mg/kg	0.01	< 0.01
Carbofuran	mg/kg	0.01	< 0.01
Chlorantraniliprole	mg/kg	0.01	< 0.01
Chlorphenapyr	mg/kg	0.01	< 0.01
Chlorpyrifos	mg/kg	0.04	< 0.04
Clofentezine	mg/kg	0.01	< 0.01
Clothianidin	mg/kg	0.01	< 0.01
Coumaphos	mg/kg	0.01	< 0.01
Cyantraniliprole	mg/kg	0.01	< 0.01
Cyfluthrin	mg/kg	0.10	< 0.10
Cypermethrin	mg/kg	0.02	< 0.02
Cyprodinil	mg/kg	0.01	< 0.01
Daminozide	mg/kg	0.01	< 0.01
Deltamethrin	mg/kg	0.1	< 0.1
Diazinon	mg/kg	0.01	< 0.01
Dichlorvos	mg/kg	0.01	< 0.01
Dimethoate	mg/kg	0.01	< 0.01
Dimethomorph	mg/kg	0.01	< 0.01
Dinotefuran	mg/kg	0.01	< 0.01
Dodemorph	mg/kg	0.01	< 0.01
Endosulfan alpha	mg/kg	0.01	< 0.01
Endosulfan beta	mg/kg	0.02	< 0.02
Endosulfan sulfate	mg/kg	0.04	< 0.04
Ethoprophos	mg/kg	0.01	< 0.01
Etofenprox	mg/kg	0.01	< 0.01
Etoxazole	mg/kg	0.01	< 0.01
Etridiazole	mg/kg	0.01	< 0.01

Bruce Phillips
Director
Organic Analytical Services

Karen Broad
Lab Supervisor
Organic Analytical Services

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Attention: Lab Redecan
Project #: Not Available

Pesticides in cannabis

RPC Sample ID:		457706-1	
Client Sample ID:		Cold Creek Kush Pre Roll - CCK25722	
Date Sampled:		14-Sep-22	
Matrix:		cannabis	
Analytes	Units	RL	
Fenoxycarb	mg/kg	0.01	< 0.01
Fenpyroximate	mg/kg	0.01	< 0.01
Fensulfothion	mg/kg	0.01	< 0.01
Fenthion	mg/kg	0.01	< 0.01
Fenvalerate	mg/kg	0.01	< 0.01
Fipronil	mg/kg	0.02	< 0.02
Flonicamid	mg/kg	0.01	< 0.01
Fludioxonil	mg/kg	0.02	< 0.02
Fluopyram	mg/kg	0.01	< 0.01
Hexythiazox	mg/kg	0.01	< 0.01
Imazalil	mg/kg	0.01	< 0.01
Imidacloprid	mg/kg	0.01	< 0.01
Iprodione	mg/kg	0.10	< 0.10
Kinoprene	mg/kg	0.40	< 0.40
Kresoxim-methyl	mg/kg	0.01	< 0.01
Malathion	mg/kg	0.01	< 0.01
Metalaxyl	mg/kg	0.01	< 0.01
Methiocarb	mg/kg	0.01	< 0.01
Methomyl	mg/kg	0.01	< 0.01
Methoprene	mg/kg	0.30	< 0.30
Methyl parathion	mg/kg	0.01	< 0.01
Mevinphos	mg/kg	0.01	< 0.01
MGK-264	mg/kg	0.02	< 0.02
Myclobutanil	mg/kg	0.01	< 0.01
Naled	mg/kg	0.01	< 0.01
Novaluron	mg/kg	0.01	< 0.01
Oxamyl	mg/kg	0.01	< 0.01
Paclbutrazol	mg/kg	0.01	< 0.01
Permethrin	mg/kg	0.15	< 0.15
Phenothrin	mg/kg	0.05	< 0.05
Phosmet	mg/kg	0.01	< 0.01
Piperonyl butoxide	mg/kg	0.01	< 0.01
Pirimicarb	mg/kg	0.01	< 0.01
Prallethrin	mg/kg	0.02	< 0.02
Propiconazole	mg/kg	0.01	< 0.01
Propoxur	mg/kg	0.01	< 0.01
Pyraclostrobin	mg/kg	0.01	< 0.01
Pyrethrins	mg/kg	0.01	< 0.01
Pyridaben	mg/kg	0.01	< 0.01
Quintozene	mg/kg	0.02	< 0.02
Resmethrin	mg/kg	0.01	< 0.01
Spinetoram	mg/kg	0.01	< 0.01
Spinosad	mg/kg	0.01	< 0.01
Spirodiclofen	mg/kg	0.01	< 0.01
Spiromesifen	mg/kg	0.01	< 0.01
Spirotetramat	mg/kg	0.01	< 0.01

Bruce Phillips

Bruce Phillips
 Director
 Organic Analytical Services

K Broad

Karen Broad
 Lab Supervisor
 Organic Analytical Services

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Pesticides in cannabis

RPC Sample ID:		457706-1	
Client Sample ID:		Cold Creek Kush Pre Roll - CCK25722	
Date Sampled:		14-Sep-22	
Matrix:		cannabis	
Analytes	Units	RL	
Spiroxamine	mg/kg	0.01	< 0.01
Tebuconazole	mg/kg	0.01	< 0.01
Tebuconazole	mg/kg	0.01	< 0.01
Teflubenzuron	mg/kg	0.01	< 0.01
Tetrachlorvinphos	mg/kg	0.01	< 0.01
Tetramethrin	mg/kg	0.10	< 0.10
Thiacloprid	mg/kg	0.01	< 0.01
Thiamethoxam	mg/kg	0.01	< 0.01
Thiophanate-methyl	mg/kg	0.01	< 0.01
Trifloxystrobin	mg/kg	0.01	< 0.01

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Method Summary

Pesticides by LC-MS/MS and APGC-MS/MS

Bruce Phillips
Director
Organic Analytical Services

Karen Broad
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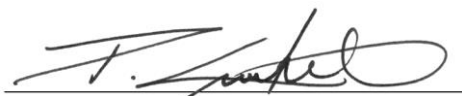
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Project #: Not Available

Analysis of Samples

RPC Sample ID:		457706-1	
Client Sample ID:		Cold Creek Kush Pre Roll - CCK25722	
Date Sampled:		14-Sep-22	
Analytes	Units	RL	
Arsenic	mg/kg	0.2	< 0.2
Cadmium	mg/kg	0.002	0.023
Lead	mg/kg	0.02	0.02
Mercury	mg/kg	0.01	< 0.01

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Peter Crowhurst, B.Sc., C.Chem.
Director
Inorganic Analytical Chemistry



Matthew Norman, B.Sc., P.Chem.
Senior Chemist
Inorganic Analytical Chemistry

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General Report Comments

A portion of the sample was prepared by Microwave Assisted Digestion in nitric acid (SOP IAS-M26).
The resulting solution was analyzed for trace elements by ICP-MS (SOP IAS-M01).
Mercury was analyzed by Cold Vapour AAS (SOP IAS-M52 & SOP IAS-M53).

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Methods

<u>Analyte</u>	<u>RPC SOP #</u>	<u>Method Reference</u>	<u>Method Principle</u>
Microwave Digestion	IAS-M26	EPA 3051a	Microwave Assisted Digestion in Nitric Acid
Trace Elements	IAS-M01	EPA 200.8	Inductively Coupled Plasma Mass Spectrometry
Mercury	IAS-M52/IAS-M53	EPA 245.6	Cold Vapour AAS