

Report ID: 466450-OAS
Report Date: 01-Dec-22
Date Received: 25-Nov-22

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8

rpc

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

JBFSD01231J77
Shashiraj Singh, QAP
Feb 21, 2023

Attention: Shashiraj Singh
Project #: Not Available

Shashiraj Singh

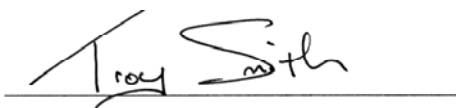
Cannabinoids in cannabis (mg/g) by HPLC

RPC Sample ID:			466450-1	466450-2
Client Sample ID:			J00084 Florida Sunrise Flower	J00077 Florida Sunrise Flower
Date Sampled:			24-Nov-22	24-Nov-22
Matrix:			cannabis	cannabis
Analytes	Units	RL		
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	mg/g	0.50	7.26	10.4
Delta 9-Tetrahydrocannabinolic Acid (Delta 9-THCA)	mg/g	0.50	274	249
Cannabidiol (CBD)	mg/g	0.50	ND	ND
Cannabidiolic Acid (CBDA)	mg/g	0.50	< 0.50	< 0.50
Cannabigerol (CBG)	mg/g	0.50	2.35	2.19
Cannabigerolic Acid (CBGA)	mg/g	0.50	27.8	21.7
Cannabinol (CBN)	mg/g	0.50	ND	ND
Cannabichromene (CBC)	mg/g	0.50	< 0.50	< 0.50
Total Delta 9-Tetrahydrocannabinol (Delta 9-THC)	mg/g	0.70	248	229
Total Cannabidiol (CBD)	mg/g	0.70	< 0.70	< 0.70
Total Cannabigerol (CBG)	mg/g	0.70	26.7	21.2

This report relates only to the sample(s) and information provided to the laboratory.

Reported results are expressed on an as received basis.

RL = Reporting Limit, ND = Not Detected



Troy Smith
Lab Supervisor
Organic Analytical Services

CANNABINOIDS HPLC

Page 1 of 6



Lauren Shaw
Senior Technician
Organic Analytical Services

Report ID: 466450-OAS
Report Date: 01-Dec-22
Date Received: 25-Nov-22

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8

rpc

JBFSDF01231J77
Shashiraj Singh, QAP
Feb 21, 2023

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

Shashiraj Singh

Type text here

Attention: Shashiraj Singh
Project #: Not Available

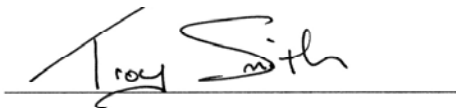
Moisture in cannabis

RPC Sample ID:	466450-1	466450-2
Client Sample ID:	J00084 Florida Sunrise Flower	J00077 Florida Sunrise Flower
Date Sampled:	24-Nov-22	24-Nov-22
Matrix:	cannabis	cannabis
Analytes	Units	RL
Moisture (Loss on Drying)	%	
	13.0	13.5

This report relates only to the sample(s) and information provided to the laboratory.

Reported results are expressed on an as received basis.

RL = Reporting Limit, ND = Not Detected



Troy Smith
Lab Supervisor
Organic Analytical Services



Lauren Shaw
Senior Technician
Organic Analytical Services

Report ID: 466450-OAS
Report Date: 01-Dec-22
Date Received: 25-Nov-22

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8

rpc

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

Attention: Shashiraj Singh
Project #: Not Available

JBFSDF01231J77
Shashiraj Singh, QAP
Feb 21, 2023

Shashiraj Singh

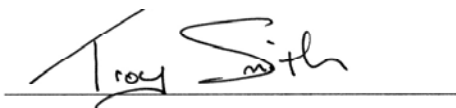
Terpenes in cannabis

RPC Sample ID:	466450-1	466450-2		
Client Sample ID:	J00084 Florida Sunrise Flower	J00077 Florida Sunrise Flower		
Date Sampled:	24-Nov-22	24-Nov-22		
Matrix:	cannabis	cannabis		
Analytes	Units	RL		
3-carene	%	0.01	< 0.01	< 0.01
Alpha pinene	%	0.01	0.15	0.12
Alpha-bisabolol	%	0.01	0.26	0.21
Beta pinene	%	0.01	0.09	0.08
Borneol	%	0.01	0.01	< 0.01
Caryophyllene	%	0.01	0.62	0.36
Cis-nerolidol	%	0.01	< 0.01	< 0.01
Cis-ocimene	%	0.01	< 0.01	< 0.01
Eucalyptol	%	0.01	< 0.01	< 0.01
Fenchol	%	0.01	0.04	0.03
Guaiol	%	0.01	< 0.01	< 0.01
Humulene	%	0.01	0.18	0.11
Limonene	%	0.01	0.18	0.12
Linalool	%	0.01	0.03	0.03
Myrcene	%	0.01	0.61	0.40

This report relates only to the sample(s) and information provided to the laboratory.

Reported results are expressed on an as received basis.

RL = Reporting Limit, ND = Not Detected



Troy Smith
Lab Supervisor
Organic Analytical Services

TERPENES2

Page 3 of 6



Lauren Shaw
Senior Technician
Organic Analytical Services

Report ID: 466450-OAS
 Report Date: 01-Dec-22
 Date Received: 25-Nov-22

CERTIFICATE OF ANALYSIS

for
 Cerberus PPV Holdings Ltd
 123 King Street
 Miramichi, NB E1N 2N8



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

JBFSD01231J77
 Shashiraj Singh, QAP
 Feb 21, 2023

Attention: Shashiraj Singh
 Project #: Not Available

Shashiraj Singh

Terpenes in cannabis

RPC Sample ID:			466450-1	466450-2
Client Sample ID:			J00084 Florida Sunrise Flower	J00077 Florida Sunrise Flower
Date Sampled:			24-Nov-22	24-Nov-22
Matrix:			cannabis	cannabis
Analytes	Units	RL		
Sabinene	%	0.01	< 0.01	< 0.01
Terpineol	%	0.01	0.04	0.03
Terpinolene	%	0.01	< 0.01	< 0.01
Trans-nerolidol	%	0.01	< 0.01	< 0.01
Trans-ocimene	%	0.01	0.21	0.14
Valencene	%	0.01	< 0.01	< 0.01
Total terpenes	%	0.05	2.42	1.63

This report relates only to the sample(s) and information provided to the laboratory.

Reported results are expressed on an as received basis.

RL = Reporting Limit, ND = Not Detected

Report ID: 466450-OAS
Report Date: 01-Dec-22
Date Received: 25-Nov-22

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8

rpc

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

Method Summary

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

Page 5 of 6

Report ID: 466450-OAS
Report Date: 01-Dec-22
Date Received: 25-Nov-22

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8



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

Project #: Not Available

Summary of Date Analyzed

RPC Sample ID	HPLC Cannabinoids mg_g		Moisture		Terpenes	
	Extracted	Analyzed	Extracted	Analyzed	Extracted	Analyzed
466450-1	29-Nov-22	30-Nov-22	29-Nov-22	29-Nov-22	29-Nov-22	29-Nov-22
466450-2	29-Nov-22	30-Nov-22	29-Nov-22	29-Nov-22	29-Nov-22	29-Nov-22

Report ID: 472498-IAS
Report Date: 03-Feb-23
Date Received: 31-Jan-23

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8

rpc

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

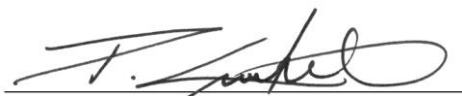
Attention: Shashiraj Singh
Project #: Not Available

Analysis of Samples

RPC Sample ID:		472498-1	
Client Sample ID:		JBFSDf01231J77	
Date Sampled:		25-Jan-23	
Analytes	Units	RL	
Arsenic	mg/kg	0.2	< 0.2
Cadmium	mg/kg	0.002	0.006
Lead	mg/kg	0.02	< 0.02
Mercury	mg/kg	0.01	< 0.01

This report relates only to the sample(s) and information provided to the laboratory.

RL = Reporting Limit



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



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

Report ID: 472498-IAS
Report Date: 03-Feb-23
Date Received: 31-Jan-23

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8

rpc

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

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).

Report ID: 472498-IAS
Report Date: 03-Feb-23
Date Received: 31-Jan-23

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8



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

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

CERTIFICATE OF ANALYSIS / CERTIFICAT D'ANALYSE

for/pour
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8



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

Attention: Shashiraj Singh

Microbiological Examination of Cannabis

RPC Sample ID/No. d'échantillon de RPC:				472498-1
Client Sample ID/ID d'échantillon du client:				JBFSDF01231J77
Date collected/Date du prélèvement				25-Jan-23
Analytes/Paramètre(s)	Method/Méthode	Date Analyzed Date Analysé	Units Unités	
Bile Tolerant Gram Negative	MICRO30-USP 62	1-Feb-23	MPN/g	>10-<100
E. coli	MICRO43	1-Feb-23	g	a
Salmonella	MICRO43	1-Feb-23	25g	a
Total Bacteria Count	MICRO40-MFHPB-18	1-Feb-23	cfu/g	620
Yeasts/molds	MICRO48-AOAC 2014.05	1-Feb-23	cfu/g	<10/9,900

This report relates only to the sample(s) and information provided to the laboratory.

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

a = absent/absentes

Cathy Hay
Microbiology Supervisor
Applied and Experimental Bioscience

Gabrielle Gervais
Microbiology Technician
Applied and Experimental Bioscience

Attention: Shashiraj Singh
 Project #: Not Available

Pesticides in cannabis

RPC Sample ID:			472498-1
Client Sample ID:			JBFSDf01231J77
Date Sampled:			25-Jan-23
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

Bruce Phillips
 Director
 Organic Analytical Services

K Broad

Karen Broad
 Lab Supervisor
 Organic Analytical Services

Attention: Shashiraj Singh
 Project #: Not Available

Pesticides in cannabis

RPC Sample ID:		472498-1	
Client Sample ID:		JBFSDFO1231J77	
Date Sampled:		25-Jan-23	
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
Paclobutrazol	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

Attention: Shashiraj Singh
Project #: Not Available

Pesticides in cannabis

RPC Sample ID:			472498-1
Client Sample ID:			JBFSDF01231J77
Date Sampled:			25-Jan-23
Matrix:			cannabis
Analytes	Units	RL	
Spiroxamine	mg/kg	0.01	< 0.01
Tebuconazole	mg/kg	0.01	< 0.01
Tebufenozide	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

This report relates only to the sample(s) and information provided to the laboratory.
Reported results are expressed on an as received basis.
RL = Reporting Limit

Method Summary

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



Report ID: 472498-OAS
Report Date: 06-Feb-23
Date Received: 31-Jan-23

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8

rpc

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

Attention: Shashiraj Singh
Project #: Not Available

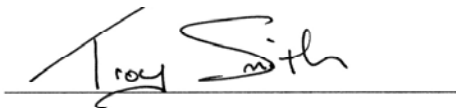
Aflatoxins in cannabis EP

RPC Sample ID:	472498-1		
Client Sample ID:	JBFSDf01231J77		
Date Sampled:	25-Jan-23		
Matrix:	cannabis		
Analytes	Units	RL	
Aflatoxin B1	ng/g	2	< 2
Total Aflatoxin (B1, G1, B2, G2)	ng/g	4	< 4

This report relates only to the sample(s) and information provided to the laboratory.

Reported results are expressed on an as received basis.

RL = Reporting Limit, ND = Not Detected



Troy Smith
Lab Supervisor
Organic Analytical Services

AFLATOXINS EP

Page 1 of 4



Lauren Shaw
Senior Technician
Organic Analytical Services

Report ID: 472498-OAS
Report Date: 06-Feb-23
Date Received: 31-Jan-23

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8

rpc

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

Attention: Shashiraj Singh

Project #: Not Available

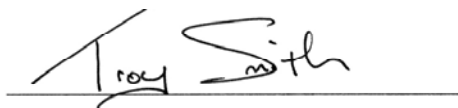
Foreign matter in cannabis

RPC Sample ID:	472498-1		
Client Sample ID:	JBFSDf01231J77		
Date Sampled:	25-Jan-23		
Matrix:	cannabis		
Analytes	Units	RL	
Foreign matter	%	2	< 2

This report relates only to the sample(s) and information provided to the laboratory.

Reported results are expressed on an as received basis.

RL = Reporting Limit, ND = Not Detected



Troy Smith
Lab Supervisor
Organic Analytical Services

FOREIGN MATTER

Page 2 of 4



Lauren Shaw
Senior Technician
Organic Analytical Services

Report ID: 472498-OAS
Report Date: 06-Feb-23
Date Received: 31-Jan-23

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8

rpc

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

Method Summary

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

COMMENTS

Page 3 of 4

Report ID: 472498-OAS
Report Date: 06-Feb-23
Date Received: 31-Jan-23

CERTIFICATE OF ANALYSIS

for
Cerberus PPV Holdings Ltd
123 King Street
Miramichi, NB E1N 2N8



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

Project #: Not Available

Summary of Date Analyzed

RPC Sample ID	Aflatoxins (EP)		Foreign Matter	
	Extracted	Analyzed	Extracted	Analyzed
472498-1	3-Feb-23	4-Feb-23	2-Feb-23	2-Feb-23