

## CERTIFICATE OF ANALYSIS

### Client information

### COA information

### Sample information

COA number **230118\_43055\_PAR11922**  
COA Date **18-Jan-2023**  
Analysis Request ID **PAR11922**

Sample Name <b>Buckin Runtz</b>	Sample Receiving Date <b>13-Jan-2023</b>
Sample ID <b>BR13</b>	Receiving Temperature <b>21°C</b>
Laboratory ID <b>PAT38702</b>	Analysis Date <b>16-Jan-2023</b>
Method Ref. <b>PAT-AM-019</b>	

### Cannabinoids Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
CBC	<0.010	<0.100	0.010
CBD	<0.010	<0.100	0.010
CBDA	0.044	0.440	0.010
CBDV	<0.010	<0.100	0.010
CBG	0.055	0.550	0.010
CBGA	0.090	0.900	0.010
CBN	0.016	0.160	0.010
D8-THC	<0.010	<0.100	0.010
D9-THC	0.680	6.800	0.010
THCA-A	21.530	215.300	0.010
THCV	<0.010	<0.100	0.010
<b>Total THC</b>	<b>19.562</b>	<b>195.618</b>	
<b>Total CBD</b>	<b>0.039</b>	<b>0.386</b>	

**19.562%**  
Total THC

**0.039%**  
Total CBD

Total THC = THC + (THCA\*0.877), Total CBD = CBD + (CBDA\*0.877)

Total THC/CBD is calculated using the formulas to take into account the loss of carboxyl group during decarboxylation step.

Authorized by: Laboratory Manager

Signature: 

## Details of testing

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1. *LOQ- Limit of quantification*
2. *% w/w: percent (weight of analyte/ weight of product)*
3. *Results only apply to the items tested and to the sample(s) as received.*
4. *This report may not be distributed or reproduced except in full*



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## CERTIFICATE OF ANALYSIS

### Client information

### COA information

#### Sample information

COA number           **230119\_43258\_PAR11922**  
 COA Date              **19-Jan-2023**  
 Analysis Request ID   **PAR11922**

Sample Name    **Buckin Runtz**  
 Sample ID       **BR13**  
 Laboratory ID   **PAT38702**

Sample Receiving Date   **13-Jan-2023**  
 Receiving Temperature   **21°C**

### Results information

Analysis Date	Test	Method Ref.	Results	Units	Specifications (EP 5.1.8. Microbiology)
16-Jan-2023	Bile-Tolerant Gram Negative Bacteria	EP 2.6.13	<10	MPN/g	<=10000
16-Jan-2023	Salmonella spp.	EP 2.6.13	Negative	/25g	Negative
17-Jan-2023	Yeast and Mold Count	EP 2.6.12	2080	CFU/g	<=50000
16-Jan-2023	Aerobic Microbial Count	EP 2.6.12	340	CFU/g	<=500000
16-Jan-2023	Escherichia coli	EP 2.6.13	Negative	/g	Negative

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Signature:



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## CERTIFICATE OF ANALYSIS

### Client information

### COA information

### Sample information

COA number           **230125\_44064\_PAR11922**  
COA Date               **25-Jan-2023**  
Analysis Request ID   **PAR11922**

Sample Name       **Buckin Runtz**  
Sample ID           **BR13**  
Laboratory ID      **PAT38702**  
Method Ref.        **PAT-AM-026(EP 2.8.2)**

Sample Receiving Date **13-Jan-2023**  
Receiving Temperature **21°C**  
Analysis Date         **23-Jan-2023**

### Results Information

Foreign Material	Results	Unit	LOQ
Foreign elements	0	%	N/A
Foreign organs	0	%	N/A
Total Foreign matter	0	%	N/A

Authorized by:   Laboratory Manager

Signature: 

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## CERTIFICATE OF ANALYSIS

### Client information

### COA information

### Sample information

COA number **230119\_43296\_PAR11922**  
COA Date **19-Jan-2023**  
Analysis Request ID **PAR11922**

Sample Name **Buckin Runtz**  
Sample ID **BR13**  
Laboratory ID **PAT38702**  
Method Ref. **PAT-AM-024**

Sample Receiving Date **13-Jan-2023**  
Receiving Temperature **21°C**  
Analysis Date **16-Jan-2023**

### Results Information

Aflatoxins	Results	Unit	LOQ
Aflatoxin B1	<0.002	ppm	0.002
Aflatoxin B2	<0.002	ppm	0.002
Aflatoxin G1	<0.002	ppm	0.002
Aflatoxin G2	<0.002	ppm	0.002
Total Aflatoxins (B1,B2,G1,G2)	<0.002	ppm	0.002

Authorized by: Laboratory Manager

Signature: 

### Details of testing

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## Sample information

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Sample Name	<b>Buckin Runtz</b>	Sample Receiving Date	<b>13-Jan-2023</b>
Sample ID	<b>BR13</b>	Receiving Temperature	<b>21°C</b>
Laboratory ID	<b>PAT38702</b>	Analysis Date	<b>19-Jan-2023</b>
Method Ref.	<b>PAT-AM-020 (USP 233 Modified)</b>		

## Results Information

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Heavy Metals	Results	Unit	LOQ	Specification
Arsenic	<0.025	ppm	0.025	< 0.2ppm
Cadmium	<0.020	ppm	0.02	< 0.3ppm
Lead	<0.010	ppm	0.01	< 0.5ppm
Mercury	<0.005	ppm	0.005	< 0.1ppm

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Signature:



## Details of testing

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## Sample information

Sample Name	<b>Buckin Runtz</b>	Sample Receiving Date	<b>13-Jan-2023</b>
Sample ID	<b>BR13</b>	Receiving Temperature	<b>21°C</b>
Laboratory ID	<b>PAT38702</b>	Analysis Date	<b>18-Jan-2023</b>
Method Ref.	<b>PAT-AM-022</b>		

## Terpenes Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
beta-Caryophyllene	0.247	2.470	0.001
d-Limonene	0.227	2.270	0.001
trans-Nerolidol	0.203	2.030	0.001
Linalool	0.101	1.010	0.001
trans-beta-Farnesene	0.085	0.850	0.001
alpha-Humulene	0.072	0.720	0.001
Beta-Pinene	0.072	0.720	0.001
Beta-Myrcene	0.064	0.640	0.001
1R-endo-Fenchyl-Alcohol	0.043	0.430	0.001
Alpha-Pinene	0.043	0.430	0.001
alpha-Terpineol	0.037	0.370	0.001
Valencene	0.022	0.220	0.001
Farnesol 2	0.016	0.160	0.001
trans-beta-ocimene	0.015	0.150	0.001
Camphene	0.012	0.120	0.001
Squalene	0.011	0.110	0.001
cis-Nerolidol	0.006	0.060	0.001
(-)-alpha-Bisabolol	0.005	0.050	0.001
Terpinolene	0.005	0.050	0.001
Terpinen-4-ol	0.004	0.040	0.001
Citronellol	0.003	0.030	0.001
Farnesol 1	0.002	0.020	0.001
Menthol	0.002	0.020	0.001
Phytane	0.002	0.020	0.001
Thymol	0.002	0.020	0.001
(-)-Guaial	<0.001	<0.010	0.001
(-)-Isopulegol	<0.001	<0.010	0.001
1,8-Cineole (Eucalyptol)	<0.001	<0.010	0.001
alpha-Cedrene	<0.001	<0.010	0.001
Alpha-Terpinene	<0.001	<0.010	0.001
Borneol	<0.001	<0.010	0.001
Carvacrol	<0.001	<0.010	0.001
Cedrol	<0.001	<0.010	0.001
cis-beta-Ocimene	<0.001	<0.010	0.001
Delta-3-Carene	<0.001	<0.010	0.001
gamma-Terpinene	<0.001	<0.010	0.001
Geraniol	<0.001	<0.010	0.001
Isoborneol	0.001	0.010	0.001
m-Isopropyltoluene	<0.001	<0.010	0.001
Nerol	<0.001	<0.010	0.001
o-Isopropyltoluene	<0.001	<0.010	0.001

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
p-Isopropyltoluene (p-Cymene)	<0.001	<0.010	0.001
Sabinene	<0.001	<0.010	0.001
Sabinene hydrate	0.001	0.010	0.001
<b>Total Terpenes</b>	<b>1.303</b>	<b>13.030</b>	

Authorized by: Laboratory Manager

Signature:



## Details of testing

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## Sample information

Sample Name	<b>Buckin Runtz</b>	Sample Receiving Date	<b>13-Jan-2023</b>
Sample ID	<b>BR13</b>	Receiving Temperature	<b>21°C</b>
Laboratory ID	<b>PAT38702</b>	Analysis Date	<b>16-Jan-2023</b>
Method Ref.	<b>PAT-AM-024</b>		

## Pesticides Dried Cannabis Results Information

Compound Detected	Results (ppm)	Canada	RDL
No Compounds Detected			

Compounds Not Detected	Results (ppm)	Canada	RDL
Abamectin	ND	0.1	0.02
Acephate	ND	0.02	0.02
Acequinocyl	ND	0.03	0.02
Acetamiprid	ND	0.1	0.02
Aldicarb	ND	1	0.02
Allethrin	ND	0.2	0.02
Azadirachtin	ND	1	0.02
Azoxystrobin	ND	0.02	0.01
Benzovindiflupyr	ND	0.02	0.01
Bifenazate	ND	0.02	0.02
Bifenthrin	ND	1	0.02
Boscalid	ND	0.02	0.01
Buprofezin	ND	0.02	0.01
Carbaryl	ND	0.05	0.02
Carbofuran	ND	0.02	0.01
Chlorantraniliprole	ND	0.02	0.01
Chlorphenapyr	ND	0.05	0.05
Chlorpyrifos	ND	0.04	0.01
Clofentezine	ND	0.02	0.01
Clothianidin	ND	0.05	0.02
Coumaphos	ND	0.02	0.01
Cyantraniliprole	ND	0.02	0.01
Cyfluthrin	ND	0.2	0.1
Cypermethrin	ND	0.3	0.02
Cyprodinil	ND	0.25	0.02
Daminozide	ND	0.1	0.05
Deltamethrin	ND	0.5	0.02
Diazinon	ND	0.02	0.01
Dichlorvos	ND	0.1	0.02
Dimethoate	ND	0.02	0.01
Dimethomorph	ND	0.05	0.02
Dinotefuran	ND	0.1	0.02
Dodemorph	ND	0.05	0.02
Endosulfan sulfate	ND	0.05	0.02
Endosulfan-alpha	ND	0.2	0.1
Endosulfan-beta	ND	0.05	0.01
Ethoprophos	ND	0.02	0.01
Etofenprox	ND	0.05	0.01

Compounds Not Detected	Results (ppm)	Canada	RDL
Etoxazole	ND	0.02	0.01
Etridiazole	ND	0.03	0.01
Fenoxycarb	ND	0.02	0.01
Fenpyroximate	ND	0.02	0.02
Fensulfothion	ND	0.02	0.01
Fenthion	ND	0.02	0.01
Fenvalerate	ND	0.1	0.05
Fipronil	ND	0.06	0.01
Flonicamid	ND	0.05	0.02
Fludioxonil	ND	0.02	0.01
Fluopyram	ND	0.02	0.01
Hexythiazox	ND	0.01	0.01
Imazalil	ND	0.05	0.01
Imidacloprid	ND	0.02	0.01
Iprodione	ND	1	0.5
Kinoprene	ND	0.5	0.05
Kresoxim-methyl	ND	0.02	0.01
Malathion	ND	0.02	0.01
Metalaxyl	ND	0.02	0.01
Methiocarb	ND	0.02	0.01
Methomyl	ND	0.05	0.02
Methoprene	ND	2	0.5
Mevinphos	ND	0.05	0.02
MGK-264	ND	0.05	0.02
Myclobutanil	ND	0.02	0.01
Naled	ND	0.1	0.02
Novaluron	ND	0.05	0.02
Oxamyl	ND	3	0.02
Paclobutrazol	ND	0.02	0.01
Parathion-methyl	ND	0.05	0.02
Permethrin	ND	0.5	0.1
Phenothrin	ND	0.05	0.02
Phosmet	ND	0.02	0.01
Piperonyl butoxide	ND	0.2	0.02
Pirimicarb	ND	0.02	0.01
Prallethrin	ND	0.05	0.02
Propiconazole	ND	0.1	0.01
Propoxur	ND	0.02	0.01
Pyraclostrobin	ND	0.02	0.01
Pyrethrins	ND	0.05	0.025
Pyridaben	ND	0.05	0.02
Quintozene	ND	0.02	0.01
Resmethrin	ND	0.1	0.02
Spinetoram	ND	0.02	0.01
Spinosad	ND	0.1	0.01
Spirodiclofen	ND	0.25	0.02
Spiromesifen	ND	3	0.02
Spirotetramat	ND	0.02	0.02
Spiroxamine	ND	0.1	0.01
Tebuconazole	ND	0.05	0.01
Tebufozide	ND	0.02	0.01

Compounds Not Detected	Results (ppm)	Canada	RDL
Teflubenzuron	ND	0.05	0.02
Tetrachlorvinphos	ND	0.02	0.01
Tetramethrin	ND	0.1	0.02
Thiacloprid	ND	0.02	0.01
Thiamethoxam	ND	0.02	0.01
Thiophanate-methyl	ND	0.05	0.02
Trifloxystrobin	ND	0.02	0.01

Authorized by: Laboratory Manager

Signature:



### Details of testing

1. ppm (w/w): parts per million by weight, MRL: Maximum residue limits, RDL: Reporting detection limits
2. The compounds are ND (not detected) at or above the RDL
3. Health Canada and/or United States MRL are taken from Health Canada & Global MRL Database (where applicable) on the date of COA preparation
4. Results only apply to the items tested and to the sample(s) as received.
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