

CERTIFICATE OF ANALYSIS

Client information

Abby Leaf Inc
5050 Gladwin Road
Abbotsford, Canada, V4X 1X8

COA information

COA number **240129_92883_PAR26030**
COA Date **29-Jan-2024**
Analysis Request ID **PAR26030**

Sample information

Sample Name **Runtz**
Sample ID **KZ 001**
Laboratory ID **PAT77304**
Method Ref. **PAT-AM-019**

Sample Receiving Date **24-Jan-2024**
Receiving Temperature **14.8°C**
Analysis Date **28-Jan-2024**

Cannabinoids Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
CBC	<0.050	<0.500	0.050
CBD	<0.050	<0.500	0.050
CBDA	0.069	0.690	0.050
CBDV	<0.050	<0.500	0.050
CBG	0.160	1.600	0.050
CBGA	0.201	2.010	0.050
CBN	<0.050	<0.500	0.050
D8-THC	<0.050	<0.500	0.050
D9-THC	0.816	8.160	0.050
THCA-A	31.887	318.870	0.050
THCV	<0.050	<0.500	0.050
Total THC	28.781	287.810	0.050
Total CBD	0.061	0.610	0.050

28.781%
Total THC

0.061%
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

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

Abby Leaf Inc
5050 Gladwin Road
Abbotsford, Canada, V4X 1X8

COA information

COA number **240130_93125_PAR26030**
COA Date **30-Jan-2024**
Analysis Request ID **PAR26030**

Sample information

Sample Name **Runtz**
Sample ID **KZ 001**
Laboratory ID **PAT77304**

Sample Receiving Date **24-Jan-2024**
Receiving Temperature **14.8°C**

Results information

Analysis Date	Test	Method Ref.	Results	Units	Specifications (EP 5.1.8. Microbiology)
28-Jan-2024	Yeast and Mold Count	EP 2.6.12	270	CFU/g	<=50000
27-Jan-2024	Escherichia coli	EP 2.6.13	Negative	/g	Negative
27-Jan-2024	Salmonella spp.	EP 2.6.13	Negative	/25g	Negative
27-Jan-2024	Aerobic Microbial Count	EP 2.6.12	20	CFU/g	<=500000
26-Jan-2024	Bile-Tolerant Gram Negative Bacteria	EP 2.6.13	<10	MPN/g	<=10000

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Signature:



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Sample information

Sample Name	Runtz	Sample Receiving Date	24-Jan-2024
Sample ID	KZ 001	Receiving Temperature	14.8°C
Laboratory ID	PAT77304	Analysis Date	29-Jan-2024
Method Ref.	PAT-AM-024		

Results Information

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

Authorized by: Laboratory Manager

Signature:



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Sample information

Sample Name	Runtz	Sample Receiving Date	24-Jan-2024
Sample ID	KZ 001	Receiving Temperature	14.8°C
Laboratory ID	PAT77304	Analysis Date	29-Jan-2024
Method Ref.	PAT-AM-020 (USP 233 Modified)		

Results Information

Heavy Metals	Results	Unit	LOQ
Arsenic	<0.025	ppm	0.025
Cadmium	<0.020	ppm	0.02
Lead	<0.010	ppm	0.01
Mercury	<0.005	ppm	0.005

Authorized by: Laboratory Manager

Signature:



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Sample information

Sample Name	Runtz	Sample Receiving Date	24-Jan-2024
Sample ID	KZ 001	Receiving Temperature	14.8°C
Laboratory ID	PAT77304	Analysis Date	30-Jan-2024
Method Ref.	PAT-AM-022		

Terpenes Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
D-Limonene	1.226	12.260	0.001
beta-Myrcene	0.951	9.510	0.001
Linalool	0.452	4.520	0.001
beta-Caryophyllene	0.245	2.450	0.001
beta-Pinene	0.210	2.100	0.001
Selina-3,7(11)-diene	0.146	1.460	0.001
alpha-Terpineol	0.110	1.100	0.001
1R-endo-Fenchyl-Alcohol	0.109	1.090	0.001
alpha-Pinene	0.104	1.040	0.001
alpha-Humulene	0.089	0.890	0.001
Farnesene 3	0.067	0.670	0.005
trans-beta-Farnesene	0.059	0.590	0.001
Farnesene 4	0.058	0.580	0.005
Farnesene 1	0.057	0.570	0.005
(-)-alpha-Bisabolol	0.037	0.370	0.001
trans-Nerolidol	0.037	0.370	0.001
Camphene	0.031	0.310	0.001
Octyl Acetate	0.029	0.290	0.001
Terpinolene	0.027	0.270	0.001
beta-Selinene	0.026	0.260	0.001
alpha-Selinene	0.024	0.240	0.001
cis-beta-Ocimene	0.012	0.120	0.005
Fenchone	0.011	0.110	0.001
Squalene	0.011	0.110	0.001
Terpinen-4-ol/D-Isomenthone	0.011	0.110	0.001
alpha-Cedrene	0.005	0.050	0.001
Farnesene 2	<0.005	<0.050	0.005
Farnesene 5	<0.005	<0.050	0.005
Borneol	0.004	0.040	0.001
Camphor	0.004	0.040	0.001
Nootkatone	0.004	0.040	0.001
Caryophyllene Oxide	0.003	0.030	0.001
Carvacrol	0.003	0.030	0.001
Citronellol	0.003	0.030	0.001
Farnesol 2	0.003	0.030	0.001
Sabinene Hydrate	0.003	0.030	0.001
trans-beta-Ocimene	0.003	0.030	0.001
(-)-Guaiol	0.002	0.020	0.001
gamma-Terpinene	0.002	0.020	0.001
Valencene	0.002	0.020	0.001
(-)-Isopulegol	<0.001	<0.010	0.001
1,8-Cineole (Eucalyptol)	<0.001	<0.010	0.001
alpha-Phellandrene	<0.001	<0.010	0.001
alpha-Terpinene	<0.001	<0.010	0.001
alpha-Thujone	<0.001	<0.010	0.001
Carvone	<0.001	<0.010	0.001
Cedrol	<0.001	<0.010	0.001
cis-Citral	<0.001	<0.010	0.001
cis-Nerolidol	<0.001	<0.010	0.001
delta-3-Carene	<0.001	<0.010	0.001
Farnesol 1	<0.001	<0.010	0.001

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
Geraniol	<0.001	<0.010	0.001
Geranyl Acetate	<0.001	<0.010	0.001
Isoborneol	<0.001	<0.010	0.001
Isobornyl Acetate	<0.001	<0.010	0.001
L-Menthone	<0.001	<0.010	0.001
Menthol	<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
Phytane	<0.001	<0.010	0.001
Piperitone	<0.001	<0.010	0.001
p-Isopropyltoluene	<0.001	<0.010	0.001
Pulegone	<0.001	<0.010	0.001
Sabinene	<0.001	<0.010	0.001
Safranal	<0.001	<0.010	0.001
Thymol	<0.001	<0.010	0.001
trans-Citral	<0.001	<0.010	0.001
Verbenone	<0.001	<0.010	0.001
Total Terpenes	4.180	41.800	

Authorized by: Laboratory Manager

Signature:



Details of testing

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Sample information

Sample Name	Runtz	Sample Receiving Date	24-Jan-2024
Sample ID	KZ 001	Receiving Temperature	14.8°C
Laboratory ID	PAT77304	Analysis Date	29-Jan-2024
Method Ref.	PAT-AM-024		

Pesticides Dried Cannabis Results Information

Compound Detected	Results (ppm)	RDL
No Compounds Detected		

Compounds Not Detected	Results (ppm)	RDL
Abamectin	ND	0.02
Acephate	ND	0.02
Acequinocyl	ND	0.02
Acetamiprid	ND	0.02
Aldicarb	ND	0.02
Allethrin	ND	0.02
Azadirachtin	ND	0.02
Azoxystrobin	ND	0.01
Benzovindiflupyr	ND	0.01
Bifenazate	ND	0.02
Bifenthrin	ND	0.02
Boscalid	ND	0.01
Buprofezin	ND	0.01
Carbaryl	ND	0.02
Carbofuran	ND	0.01
Chlorantraniliprole	ND	0.01
Chlorphenapyr	ND	0.05
Chlorpyrifos	ND	0.01
Clofentezine	ND	0.01
Clothianidin	ND	0.02
Coumaphos	ND	0.01
Cyantraniliprole	ND	0.01
Cyfluthrin	ND	0.1
Cypermethrin	ND	0.02
Cyprodinil	ND	0.02
Daminozide	ND	0.05
Deltamethrin	ND	0.02
Diazinon	ND	0.01
Dichlorvos	ND	0.02
Dimethoate	ND	0.01
Dimethomorph	ND	0.02
Dinotefuran	ND	0.02
Dodemorph	ND	0.02
Endosulfan sulfate	ND	0.02
Endosulfan-alpha	ND	0.1
Endosulfan-beta	ND	0.01
Ethoprophos	ND	0.01
Etofenprox	ND	0.01
Etoxazole	ND	0.01
Etridiazole	ND	0.01
Fenoxycarb	ND	0.01
Fenpyroximate	ND	0.02
Fensulfothion	ND	0.01
Fenthion	ND	0.01
Fenvalerate	ND	0.05
Fipronil	ND	0.01
Flonicamid	ND	0.02
Fludioxonil	ND	0.01
Fluopyram	ND	0.01

Compounds Not Detected	Results (ppm)	RDL
Hexythiazox	ND	0.01
Imazalil	ND	0.01
Imidacloprid	ND	0.01
Iprodione	ND	0.5
Kinoprene	ND	0.05
Kresoxim-methyl	ND	0.01
Malathion	ND	0.01
Metalaxyl	ND	0.01
Methiocarb	ND	0.01
Methomyl	ND	0.02
Methoprene	ND	0.5
Mevinphos	ND	0.02
MGK-264	ND	0.02
Myclobutanil	ND	0.01
Naled	ND	0.02
Novaluron	ND	0.02
Oxamyl	ND	0.02
Paclobutrazol	ND	0.01
Parathion-methyl	ND	0.02
Permethrin	ND	0.1
Phenothrin	ND	0.02
Phosmet	ND	0.01
Piperonyl butoxide	ND	0.02
Pirimicarb	ND	0.01
Prallethrin	ND	0.02
Propiconazole	ND	0.01
Propoxur	ND	0.01
Pyraclostrobin	ND	0.01
Pyrethrins	ND	0.025
Pyridaben	ND	0.02
Quintozene	ND	0.01
Resmethrin	ND	0.02
Spinetoram	ND	0.01
Spinosad	ND	0.01
Spirodiclofen	ND	0.02
Spiromesifen	ND	0.02
Spirotetramat	ND	0.02
Spiroxamine	ND	0.01
Tebuconazole	ND	0.01
Tebufenozide	ND	0.01
Teflubenzuron	ND	0.02
Tetrachlorvinphos	ND	0.01
Tetramethrin	ND	0.02
Thiacloprid	ND	0.01
Thiamethoxam	ND	0.01
Thiophanate-methyl	ND	0.02
Trifloxystrobin	ND	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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