



Groove, LLC

Sample: 2112FID3659.24798

Strain: Runtz

Batch #: A; Lot #:

METRC Batch: 1A408010000E4E9000000199; METRC Sample: 1A408010000E4E9000000224

Analysis Initiated: 12/01/2021; Report Created: 12/03/2021

Sampling SOP: SOP-0050

## Runtz Live Rosin

Concentrates & Extracts, Live Rosin, Pressing  
Harvest/Production Date: 11/18/2021



	<b>70.69%</b> Total Potential Psychoactive THC	<b>0.13%</b> Total CBD	<b>Pass</b> Foreign Matter
	<b>80.55%</b> Total Raw THC	<b>82.17%</b> Total Cannabinoids	<b>Complete</b> NR Moisture

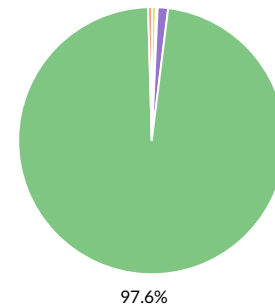
## Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 11162021

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.09	80.20	802.0
Δ9-THC	0.09	0.36	3.6
Δ8-THC	0.09	ND	ND
THCV	0.09	ND	ND
CBDa	0.09	0.15	1.5
CBD	0.09	ND	ND
CBN	0.09	ND	ND
CBGa	0.09	1.03	10.3
CBG	0.09	0.44	4.4
CBC	0.09	ND	ND
<b>Total</b>		<b>82.17</b>	<b>821.7</b>

Legend: CBG (yellow), CBDa (blue), CBGa (purple), THCa (green), Δ9-THC (orange)



Total Potential Psychoactive THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0037; Full spectrum cannabinoid analysis utilizing Shimadzu Prominence High Performance Liquid Chromatography with UV detection (HPLC-UV).

SOP-0035; Foreign matter inspection includes but is not limited to hair, insects, stems, and feces. Filth is inspected using a M16-209 stereoscope. Stem measurements are performed using fisher calipers.

SOP-0036; Moisture analysis is performed using a Shimadzu moisture analyzer MOC63u UL.



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Laboratory Director

Accredited to ISO/IEC 17025:2017  
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## Runtz Live Rosin

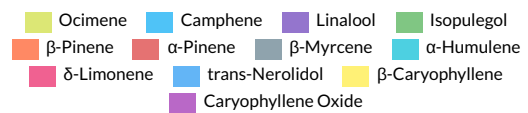
Concentrates & Extracts, Live Rosin, Pressing  
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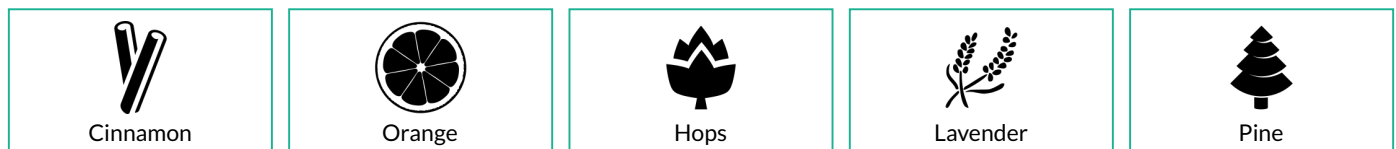
## Terpenes

Analytical Calibration Batch: Terpenes 11112021

Analyte	LOQ	Mass	Mass
	%	%	mg/g
β-Caryophyllene	0.008	2.152	21.52
δ-Limonene	0.008	1.487	14.87
α-Humulene	0.008	0.570	5.70
Linalool	0.008	0.436	4.36
β-Pinene	0.008	0.426	4.26
α-Pinene	0.008	0.295	2.95
β-Myrcene	0.008	0.275	2.75
trans-Nerolidol	0.008	0.139	1.39
Camphene	0.008	0.070	0.70
Caryophyllene Oxide	0.008	0.067	0.67
Isopulegol	0.008	0.048	0.48
Ocimene	0.008	0.043	0.43
α-Bisabolol	0.008	ND	ND
α-Terpinene	0.008	ND	ND
cis-Nerolidol	0.008	ND	ND
δ-3-Carene	0.008	ND	ND
Eucalyptol	0.008	ND	ND
γ-Terpinene	0.008	ND	ND
Geraniol	0.008	ND	ND
Guaiol	0.008	ND	ND
p-Cymene	0.008	ND	ND
Terpinolene	0.008	ND	ND
<b>Total</b>		<b>6.010</b>	<b>60.10</b>



## Primary Aromas



LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0044; Terpenoid profile screen is performed using a Thermo Scientific TRACE 1300 Gas Chromatography instrument equipped with a Flame Ionization Detector (GC-FID).



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# Certificate of Analysis

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Sampling SOP: SOP-0050

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## Residual Solvents

Pass

Analytical Calibration Batch: R.S. 10272021

Analyte	LOQ	State Limits	Mass	Status	Analyte	LOQ	State Limits	Mass	Status
	PPM	PPM	PPM			PPM	PPM	PPM	
Isopropanol	400	5000	428.5	Pass	Heptanes	20	5000	ND	Pass
Acetone	400	5000	ND	Pass	Hexanes	20	290	ND	Pass
Benzene	2	2	ND	Pass	Methanol	400	3000	ND	Pass
Butanes	40	5000	ND	Pass	Pentanes	20	5000	ND	Pass
Chloroform	2	2	ND	Pass	Propane	40	5000	ND	Pass
Cyclohexane	20	3880	ND	Pass	Toluene	20	890	ND	Pass
Dichloromethane	20	5000	ND	Pass	Xylenes	20	2170	ND	Pass
Ethyl-Acetate	20	5000	ND	Pass					

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
SOP-0056; A wide spectrum analysis of Residual Solvents using Gas Chromatography Mass Spectrometry (Thermo Scientific ISQ7000 GCMS).

## Mycotoxins

Pass

Analytical Calibration Batch: 12/1/2021

Analyte	LOQ	State Limit	Mass	Status
	PPB	PPB	PPB	
Ochratoxin A	12	20	ND	Pass
Total Aflatoxins	20	20	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0048; Mycotoxin screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.

## Microbials

Pass

Analyte	Limit	Mass	Status
	CFU/g	CFU/g	
Aerobic Bacteria	100000	NR	NT
Bile-Tolerant Gram-Negative Bacteria	10000	NR	NT
E. Coli	1	ND	Pass
Mold	10000	ND	Pass
Salmonella		ND	Pass

LOQ = Limit of Quantitation; TNC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0057: Mold, E.Coli, and Salmonella analysis on AriaDX qPCR using Medicinal Genomics validated methods.  
SOP-0061: Mold enumeration using Hardy Diagnostics media.



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## Pesticides

Analytical Calibration Batch: 12/1/2021

Pass

Analyte	LOQ	State Limit	Expanded Limit	Mass	Status
	PPM	PPM	PPM	PPM	
Abamectin	0.30	2.5	2.5	ND	Pass
Acequinocyl	0.30	10	10	ND	Pass
Bifenazate	0.30	1	1	ND	Pass
Bifenthrin	0.30	1	1	ND	Pass
Chloromequat	0.30	5	5	ND	Pass
Cyfluthrin	0.30	5	5	ND	Pass
Daminozide	0.30	5	5	ND	Pass
Etoxazole	0.30	1	1	ND	Pass
Fenoxycarb	0.30	1	1	ND	Pass
Imazalil	0.30	1	1	ND	Pass
Imidacloprid	0.30	2	2	ND	Pass
Myclobutanil	0.30	0.6	0.6	ND	Pass
Paclobutrazol	0.30	2	2	ND	Pass
Pyrethrins	0.30	5	5	ND	Pass
Spinosad	0.30	1	1	ND	Pass
Spirotetramat	0.30	1	1	ND	Pass
Trifloxystrobin	0.30	1	1	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0048; Pesticide screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.



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