

M00001507603: Full Spectrum Live Hash Rosin

METRC Sample: 1A40A0300004A9D000017834; METRC Manifest: 0001982849; Metrc Source ID: 1A40A0300004A9D000017833

Sample ID: 2312ANS2824-21709

Strain: Riptide Rush
Concentrates & Extracts, Live Rosin, Cannabis Resin & Concentrates, Cannabis Resin & Concentrates, Inhalation

Produced: 12/19/2023
Completed: 12/28/2023
Expiration: 12/28/2024
Batch ID: R.R. 12.19.23 FSHR

Client: **Treeworks**
Lic. # MP281343
3 WEST ST
WEST HATFIELD, MA 01088

Sample Size: 5 g
COC #: 2312ANS2824; Number of Servings: ; Growth Material: n/a; Extraction Solvent: None; Remediated: No; Revision Notes: ; Amended: No; Sample Condition: Intact;



Summary

Test	Date Tested	Result
Cannabinoids	12/21/2023	Complete
Water Activity		NR - Complete
Terpenes	12/20/2023	Complete
Microbials	12/19/2023	Pass
Mycotoxins	12/21/2023	Pass
Heavy Metals	12/22/2023	Pass
Product Approved		May be dispensed for all uses

Instrument ID: WA-1
Water Activity analyzed per SOP-019, is non-compliant, and NOT ISO accredited. NT= Not Tested, NR = Not Reported.

Cannabinoids

Complete

72.47% Total Active THC	0.19% Total Active CBD	76.21% Total Active Cannabinoids
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Analyte	LOD	LOQ	Result	Result	Qualifiers
	%	%	%	mg/g	
THCa	0.00002	0.00010	81.62904	816.29039	
Δ9-THC	0.00002	0.00010	0.88065	8.80651	
Δ8-THC	0.00002	0.00010	<0.16287	<0.16287	
THCVa	0.00002	0.00010	0.57119	5.71187	
THCV	0.00001	0.00010	<0.16287	<0.16287	
CBDa	0.00001	0.00010	0.21859	2.18588	
CBD	0.00001	0.00010	<0.16287	<0.16287	
CBDVa	0.00001	0.00010	<0.16287	<0.16287	
CBDV	0.00001	0.00010	<0.16287	<0.16287	
CBNa	0.00004	0.00010	<0.16287	<0.16287	
CBN	0.00002	0.00010	<0.16287	<0.16287	
CBGa	0.00001	0.00010	2.67822	26.78221	
CBG	0.00002	0.00010	0.70363	7.03634	
CBCa	0.00004	0.00010	<0.16287	<0.16287	
CBC	0.00001	0.00010	<0.16287	<0.16287	
CBL	0.00003	0.00010	<0.16287	<0.16287	
CBT	0.00002	0.00010	<0.16287	<0.16287	
Total Available THC			82.509691	825.096906	
Total Active THC			72.469319	724.693187	
Total Available CBD			0.218588	2.185879	
Total Active CBD			0.191702	1.917016	
Total Available Cannabinoids			86.681321	866.813208	
Total Active Cannabinoids			76.214385	762.143854	

Entered by: 8; Instrument ID: 4; Date Tested: 12/21/2023;

Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = D9-THC + THCa. Total Active THC = D9-THC + (THCa*0.877). Total Available CBD = CBD + CBDA. Total Active CBD = CBD + (CBDA*0.877). Total Active Cannabinoids = THCa*0.877+ d9 THC+ d8 THC+ THCVa*0.877+ THCV+ CBDA 0.877 + CBD+ CBDV+ CBDVa 0.877+ CBNA*0.877+ CBN + CBGa*0.877+ CBG + CBCa*0.877+ CBC+ CBL+ CBT. Total Available Cannabinoids = sum of all detected cannabinoids.



Ryan Picard
Lab Director
12/28/2023

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Sample Size: 5 g
COC #: 2312ANS2824; Number of Servings: ; Growth Material: n/a; Extraction Solvent: None; Remediated: No; Revision Notes: ; Amended: No; Sample Condition: Intact;

Terpenes

Analyte	CAS #	LOD	LOQ	Mass	Mass	Qualifiers
		%	%	%	mg/g	
Limonene	5989-27-5	0.00002	0.0001	2.812410	28.124104	
β-Myrcene	123-35-3	0.00003	0.0001	0.954267	9.542671	
Linalool	78-70-6	0.00002	0.0001	0.633322	6.333225	
β-Caryophyllene	87-44-5	0.00002	0.0001	0.449235	4.492345	
β-Pinene	18172-67-3	0.00003	0.0001	0.400016	4.000163	
α-Pinene	80-56-8	0.00003	0.0001	0.228078	2.280782	
α-Terpineol	98-55-5	0.00005	0.0001	0.226645	2.266450	
Guaiol	489-86-1	0.00002	0.0001	0.205358	2.053583	
α-Bisabolol	23089-26-1	0.00002	0.0001	0.199642	1.996417	
Nerolidol 1	7212-44-4	0.00002	0.0000	0.169821	1.698208	
α-Humulene	6753-98-6	0.00002	0.0001	0.146629	1.466287	
Camphene	79-92-5	0.00003	0.0001	0.066384	0.663844	
Terpinolene	586-62-9	0.00002	0.0001	0.041450	0.414495	
Caryophyllene Oxide	1139-30-6	0.00003	0.0001	0.026124	0.261238	
3-Carene	13466-78-9	0.00003	0.0001	<0.016287	<0.016287	
α-Terpinene	99-86-5	0.00003	0.0001	<0.016287	<0.016287	
Ocimene 1	13877-91-3	0.00003	0.0000	<0.005049	<0.005049	
Phytol 1	7541-49-3	0.00003	0.0001	<0.008143	<0.008143	
Eucalyptol	470-82-6	0.00002	0.0001	<0.016287	<0.016287	
γ-Terpinene	99-85-4	0.00002	0.0001	<0.016287	<0.016287	
Geraniol	106-24-1	0.00002	0.0001	<0.016287	<0.016287	
Isopulegol	89-79-2	0.00002	0.0001	<0.016287	<0.016287	
Menthol	89-78-1	0.00007	0.0001	<0.016287	<0.016287	
p-Cymene	99-87-6	0.00002	0.0001	<0.016287	<0.016287	
Nerolidol 2	7212-44-4	0.00003	0.0001	<0.009283	<0.009283	
Ocimene 2	13877-91-3	0.00005	0.0001	<0.011238	<0.011238	
Phytol 2	7541-49-3	0.00002	0.0001	<0.008143	<0.008143	
Valencene	4630-07-3	0.00002	0.0001	<0.016287	<0.016287	
Total				6.5594	65.5938	

Primary Aromas



Orange



Hops



Lavender



Cinnamon



Pine

Entered by: 42
Instrument ID: GC-3 Back
Date Tested: 12/20/2023

LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Isomer CAS#s: Cis-Ocimene: 13877-91-3, Trans-Ocimene: 13877-91-3, Cis-Nerolidol: 7212-44-4, Trans-Nerolidol: 7212-44-4.



Accreditation #104289

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Lab Director
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Pesticides

Not Tested

Analyte	LOD	LOQ	Limit	Mass	Qualifiers	Status
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Microbials

Pass

Analyte	Limit	Units	Qualifiers	Status
(ECPT) E. coli (O157)	Not Detected in 1g	CFU/g	Not Detected	Pass
(SPT) Salmonella	Not Detected in 1g	CFU/g	Not Detected	Pass
(AC) Total Viable Aerobic Bacteria	10000		<20	Pass
(YM) Total Yeast & Mold	1000		<20	Pass
(EB) Total Bile-Tolerant Gram Negative Bacteria	100		<20	Pass
(CC) Total Coliforms	100		<20	Pass
Hop-Latent Viroid	1		NR	NT
Cannabis Cryptic Virus	1		NR	NT
Lettuce Chlorosis Virus	1		NR	NT

Entered by: 60
Instrument ID: PCR-2
Plating of Total Aerobic bacteria, Bile-Tolerant Gram-negative bacteria, total Coliforms, and total yeast & mold are analyzed by SOP-006. Shiga Toxin-Producing Escherichia coli and Salmonella spp. are analyzed by SOP-007. Viruses analyzed by SOP-016, are non-compliant, and NOT ISO accredited. NR = Not Reported, NT = Not Tested, TNTC = Too Numerous To Count.

Residual Solvents

Not Tested

Analyte	LOQ	Limit	Mass	Status	Qualifiers
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Entered by:
Instrument ID:

Entered by:
Instrument ID:

Heavy Metals

Pass

Analyte	LOQ	Limit	Mass	Qualifiers	Status
	ug/kg	ug/kg	ug/kg		
Arsenic	0.500	200.000	<137.438		Pass
Cadmium	0.500	200.000	<137.438		Pass
Lead	0.500	500.000	<137.438		Pass
Mercury	0.200	100.000	<54.975		Pass

Entered by: 11
Instrument ID: ICPMS-1
LOD = Limit of Detection. LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005

Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Mass	Status
	ug/kg	ug/kg	ug/kg	ug/kg	
Ochratoxin A	2.0	2.0	20.0	<5.0	Pass
Total Aflatoxins	1.0	1.0	20.0	<5.0	Pass

Entered by: 60
Instrument ID: ER-2
LOD = Limit of Detection, LOQ = Limit of Quantitation. Mycotoxins analyzed by SOP-013.



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