

East Fork Hemp LLC AG-R1064324IHH 10325 Takilma Rd. Cave Junction, OR 97523 609-405-2052

Harvest/Process Date: 9/28/2021 Sample Date: 12/1/2021 Analysis Date: 12/6/2021

Report Date: 12/9/2021 Report ID: LS-211209-12

Client Batch ID: Metrc Batch ID:

Metrc Sample ID:

Sample Type: Usable Hemp Sample Plan:

Sample Procedure:

160721_LAB-SOP_SampleCollection-v010

Potency

Potency Analysis Date: 12/6/2021 Potency Batch ID: CAN_120621A Potency Method: JAOAC 2015.1

Moisture Content: 9.20% Moisture Content Method: AOAC

16.4%

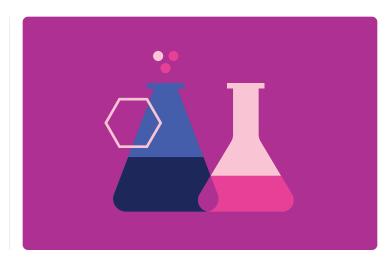
Samples: JWD-DWW-ZWG

Total **CBD**

0.603%

THC

Total



Analyte	Description	LOQ	RPD	Min.	Max.	Conc.	Unit: %
Д9ТНС	Delta-9 Tetrahydrocannabinol	0.0010	-	-	-	0.0968	•
THCA	Tetrahydrocannabinolic acid	0.0010	-	-	-	0.577	•
CBD	Cannabidiol	0.0010	-	-	-	0.813	-
CBDA	Cannabidiolic acid	0.0010	-	-	-	17.8	
Δ8ΤΗC	Delta-8 Tetrahydrocannabinol*	0.0010	-	-	-	0.0187	•
THCV	Tetrahydrocannabivarin*	0.0010	-	-	-	0.00154	•
CBG	Cannabigerol*	0.0010	-	-	-	0.101	•
CBGA	Cannabigerolic acid*	0.0010	-	-	-	0.529	•
CBC	Cannabichromene*	0.0010	-	-	-	ND	
CBCA	Cannabichromenic acid*	0.0010	-	-	-	0.0173	•
CBN	Cannabinol*	0.0010	-	-	-	0.00220	•
Total THC	Δ9THC + (THCA × 0.877)		-	-	-	0.603	•
Total CBD	CBD + (CBDA × 0.877)		-	-	-	16.4	
Total			-	-	-	19.9	

Compliance

Moisture Content Within limits Analysis Date: 12/6/2021 Pass 🕝

Aaron Trover Chief Science Officer This data cannot be used for OLCC or OHA compliance for usable marijuana or marijuana products and is provided for Research and Development purposes only.



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Metrc Sample ID:

Sample Type: Usable Hemp

Sample Plan:

Sample Procedure:

160721_LAB-SOP_SampleCollection-v010

Potency
Quality Control Data

Potency QC Analysis Date: 12/6/2021 Potency QC Batch ID: CAN_120621A Method: JAOAC 2015.1 Unit: μg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Δ9ΤΗC	ND	0.0010	21.3	19.7	108	80 - 120	
THCA	ND	0.0010	21.8	22.3	97.4	80 - 120	
CBD	ND	0.0010	26.4	26.3	100	80 - 120	
CBDA	ND	0.0010	21.5	22.3	96.1	80 - 120	

POTENCY - LIMIT OF DETECTION

Verified: 060221

Method: 160819_LAB-SOP_MethodValidation-CannabinoidPotency-v002.docx

Matrix	Analyte	LOD (ppm)	LOD (mg/g)
EXTRACT	Δ9ΤΗC	2.8	0.0028
	THCA	0.56	0.00056
	CBD	2.22	0.00222
	CBDA	0.52	0.00052
FLOWER	Δ9ΤΗC	1.88	0.00188
	THCA	5.32	0.00532
	CBD	1.31	0.00131
	CBDA	0.78	0.00078



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Sample Type: Usable Hemp Sample Plan:

Sample Procedure:

160721_LAB-SOP_SampleCollection-v010

Terpene Analysis Date: 12/8/2021 Terpene Batch ID: TRP_120821A Method: JAOAC 2015.1

Unit: %

Terpenes* Sample Data
Sample Data

β-Caryophyllene α-Pinene θ.342% α-Pinene θ.290% β-Ocimene θ.264% α-Bisabolol θ.132% β-Pinene θ.122% Limonene θ.0824% Guaiol α-Phellandrene θ.0431% α-Terpinene θ.0338% Borneol θ.09273% Caryophyllene Oxide Δ3-Carene θ.0160% γ-Terpinene θ.0155% α-Ocimene θ.0132% Camphene θ.0132% Camphore θ.00251% Fenchone θ.00227% Azulene ND Cedrol ND Cymene ND Fenchol ND Ceraniol ND	Analyte	Avg.	Notes
β-Caryophyllene α-Pinene θ.342% α-Pinene θ.290% β-Ocimene θ.264% α-Bisabolol θ.132% β-Pinene θ.122% Limonene θ.0824% Guaiol α-Phellandrene θ.0431% α-Terpinene θ.0338% Borneol θ.09273% Caryophyllene Oxide Δ3-Carene θ.0160% γ-Terpinene θ.0155% α-Ocimene θ.0132% Camphene θ.0132% Camphore θ.00251% Fenchone θ.00227% Azulene ND Cedrol ND Cymene ND Fenchol ND Ceraniol ND	β-Myrcene	0.773%	
α-Pinene	Terpinolene	0.504%	
Humulene θ.290%	β-Caryophyllene	0.342%	
β-Ocimene 0.264% α-Bisabolol 0.132% β-Pinene 0.122% Limonene 0.0824% Guaiol 0.0686% α-Phellandrene 0.0431% α-Terpinene 0.0338% Borneol 0.0926% Linalool 0.0273% Caryophyllene Oxide 0.0196% Δ3-Carene 0.0160% γ-Terpinene 0.0155% α-Ocimene 0.0132% Camphene 0.00954% Eucalyptol 0.00499% Camphore 0.00251% Fenchone 0.00227% Azulene ND Cedrol ND Cymene ND Fenchol ND Geraniol ND	α-Pinene	0.300%	_
α-Bisabolol	Humulene	0.290%	
β-Pinene 0.122% Limonene 0.0824% Guaiol 0.0686% α-Phellandrene 0.0431% α-Terpinene 0.0338% Borneol 0.0326% Linalool 0.0273% Caryophyllene Oxide 0.0196% Δ3-Carene 0.0160% γ-Terpinene 0.0155% α-Ocimene 0.0132% Camphene 0.00954% Eucalyptol 0.00499% Camphore 0.00262% Sabinene Hydrate 0.00251% Fenchone 0.00227% Azulene ND Cedrol ND Cymene ND Fenchol ND Geraniol ND	β-Ocimene	0.264%	_
Limonene	α-Bisabolol	0.132%	•
Guaiol 0.0686% 0.0431% 0.0431% 0.0338% 0.0338% 0.0326% 0.0431% 0.04326% 0.0432% 0.0436% 0.043	β-Pinene	0.122%	•
α-Phellandrene 0.0431% α-Terpinene 0.0338% Borneol 0.0326% Linalool 0.0273% Caryophyllene Oxide 0.0196% Δ3-Carene 0.0160% γ-Terpinene 0.0155% α-Ocimene 0.0132% Camphene 0.00954% Eucalyptol 0.00499% Camphore 0.00262% Sabinene Hydrate 0.00227% Azulene ND Cedrol ND Cymene ND Fenchol ND Geraniol ND	Limonene	0.0824%	•
a-Terpinene	Guaiol	0.0686%	•
Borneol 0.0326% • • • • • • • • • • • • • • • • • • •	α-Phellandrene	0.0431%	•
Linalool	α-Terpinene	0.0338%	•
Caryophyllene Oxide	Borneol	0.0326%	•
Δ3-Carene 0.0160% γ-Terpinene 0.0155% α-Ocimene 0.0132% Camphene 0.00954% Eucalyptol 0.00499% Camphore 0.00262% Sabinene Hydrate 0.00251% Fenchone 0.00227% Azulene ND Cedrol ND Cymene ND Fenchol ND Geraniol ND	Linalool	0.0273%	•
Y-Terpinene	Caryophyllene Oxide	0.0196%	•
q-Ocimene 0.0132% Camphene 0.00954% Eucalyptol 0.00499% Camphore 0.00262% Sabinene Hydrate 0.00251% Fenchone 0.00227% Azulene ND Cedrol ND Cymene ND Fenchol ND Geraniol ND	Δ3-Carene	0.0160%	•
Camphene 0.00954% • Eucalyptol 0.00499% • Camphore 0.00262% • Sabinene Hydrate 0.00251% • Fenchone 0.00227% • Azulene ND • Cedrol ND • Cymene ND • Fenchol ND • Geraniol ND •	γ-Terpinene	0.0155%	•
Eucalyptol 0.00499% • Camphore 0.00262% • Sabinene Hydrate 0.00251% • Fenchone 0.00227% • Azulene ND Cedrol ND Cymene ND Fenchol ND Geraniol ND	α-Ocimene	0.0132%	•
Camphore 0.00262% • Sabinene Hydrate 0.00251% • Fenchone 0.00227% • Azulene ND Cedrol ND Cymene ND Fenchol ND Geraniol ND	Camphene	0.00954%	•
Sabinene Hydrate	Eucalyptol	0.00499%	•
Fenchone 0.00227% Azulene ND Cedrol ND Cymene ND Fenchol ND Geraniol ND	Camphore	0.00262%	•
Azulene ND Cedrol ND Cymene ND Fenchol ND Geraniol ND	Sabinene Hydrate	0.00251%	•
Cedrol ND Cymene ND Fenchol ND Geraniol ND	Fenchone	0.00227%	•
Cymene ND Fenchol ND Geraniol ND	Azulene	ND	
Fenchol ND Geraniol ND	Cedrol	ND	
Geraniol ND	Cymene	ND	
	Fenchol	ND	
Geranyl Acetate ND	Geraniol	ND	
oer unit Acetate ND	Geranyl Acetate	ND	

Analyte	Avg.	Notes	
Isoborneol	ND		
Isopulegol	ND		
Nerol	ND		
Pulegone	ND		
Sabinene	ND		
Selinadiene	ND		
Valencene	ND		
cis-Nerolidol	ND		
trans-Nerolidol	ND		
α-Cedrene	ND		
α-Terpineol	ND		
β-Farnesene 1	ND		
β-Farnesene 2	ND		
γ-Terpineol	ND		
Total	3.10%		



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Qualifier Flag Descriptions

- J Reported result is an estimate the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
- U The analyte was not detected in the sample at the estimated detection limit (EDL)
- E Exceeds calibration range
- D Dilution data result was obtained from the analysis of a dilution
- B Analyte found in sample and associated blank
- C Co-eluting compound
- R Relative Percent Difference (RPD) outside control limits
- NR Analyte not reported because of problems in sample preparation or analysis
- ND Non-Detect
- X Results from reinjection/repeat/re-column data
- EMC Estimated maximum possible concentration indicates that a peak is detected but did not meet the method required criteria
- M Manual integration
- PS Peaks split
- HB Control acceptance criteria are exceeded high and the associated sample is below the detection limit
- LB Control acceptance criteria are exceeded low and the associated sample exceeds the regulatory limit
- ME Marginal Exceedance
- LR Low Recovery Analyte
- LOQ Limit of Quantitation