LIGHTSCALE LABS

2535 N Ross Ave
Portland, OR 97227
(503) 493-2535

info@lightscale.com
ORELAP #4112
OLCC #010-1003340D344

Oregon Sweetgum

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

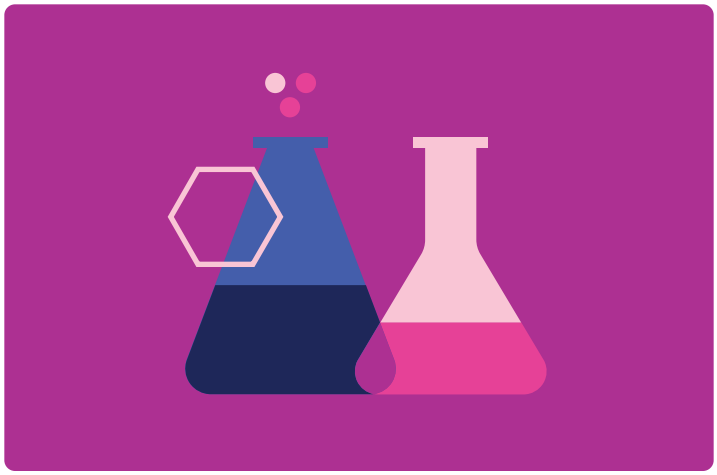
Potency Analysis Date: 12/6/2021
Potency Batch ID: CAN_120621A
Potency Method: JAOAC 2015.1

Moisture Content: 9.20%
Moisture Content Method: AOAC 966.02

16.4% Total CBD

0.603% Total THC

Samples: JWD-DWW-ZWG



Analyte	Description	LOQ	RPD	Min.	Max.	Conc.	Unit: %
Δ9THC	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	
Δ8THC	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 Troyer
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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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
Δ9THC	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	Δ9THC	2.8	0.0028
	THCA	0.56	0.00056
	CBD	2.22	0.00222
	CBDA	0.52	0.00052
FLOWER	Δ9THC	1.88	0.00188
	THCA	5.32	0.00532
	CBD	1.31	0.00131
	CBDA	0.78	0.00078

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Terpenes*
Sample Data

Terpene Analysis Date: 12/8/2021
Terpene Batch ID: TRP_120821A

Method: JAOAC 2015.1
Unit: %

Analyte	Avg.	Notes
β-Myrcene	0.773%	
Terpinolene	0.504%	
β-Caryophyllene	0.342%	
α-Pinene	0.300%	
Humulene	0.290%	
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	0.0326%	
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	
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