LIGHTSCALE LABS

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

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

Nice Tsunami

East Fork Cultivars
9953 Takilma Rd
Cave Junction, OR 97523
503-810-7120

Sample Type: Buds
Sample Date: 12/10/2019
Analysis Date: 12/12/2019
Report Date: 12/17/2019

Metrc Batch ID:
1A40103000019CA000008767
Metrc Sample ID:
1A40103000019CA000008792

Harvest/Process Date: 9/25/2019
Report ID:
LS-191216-49

Potency

Potency Analysis Date: 12/13/2019
Potency Batch ID: CAN_121319C
Potency Method: JAOAC 2015.1

Moisture Content: 9.54%
Water Activity: 0.490 a_w
Water Activity Method: AOAC 978.18

11.5% Total CBD

3.95% Total THC

Samples: FDW-TXM-FDN

Analyte	Description	LOQ	RPD	Min.	Max.	Conc.	Unit: %
Δ9THC	Delta-9 Tetrahydrocannabinol	0.40	-	-	-	<LOQ	
THCA	Tetrahydrocannabinolic acid	0.40	-	-	-	4.50	
CBD	Cannabidiol	0.40	-	-	-	<LOQ	
CBDA	Cannabidiolic acid	0.40	-	-	-	13.2	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.40	-	-	-	ND	
THCV	Tetrahydrocannabivarin*	0.40	-	-	-	ND	
CBG	Cannabigerol*	0.40	-	-	-	<LOQ	
CBGA	Cannabigerolic acid*	0.40	-	-	-	0.563	
CBC	Cannabichromene*	0.40	-	-	-	ND	
CBCA	Cannabichromenic acid*	0.40	-	-	-	ND	
CBN	Cannabinol	0.40	-	-	-	<LOQ	
Total THC	Δ9THC + (THCA × 0.877)		-	-	-	3.95	
Total CBD	CBD + (CBDA × 0.877)		-	-	-	11.5	
Total			-	-	-	18.2	

Compliance

Pesticides	Within limits	**Analysis Date:** 12/12/2019	Pass
Moisture Content	Within limits	**Analysis Date:** 12/13/2019	Pass
Water Activity	Within limits	**Analysis Date:** 12/13/2019	Pass

Bryce Kidd, Ph.D.
Lab Director

Aaron Troyer
Chief Science Officer

LS-191216-49

LIGHTSCALE LABS

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

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

Nice Tsunami

East Fork Cultivars
9953 Takilma Rd
Cave Junction, OR 97523
503-810-7120

Sample Type: Buds
Sample Date: 12/10/2019
Analysis Date: 12/12/2019
Report Date: 12/17/2019

Metrc Batch ID:
1A40103000019CA000008767
Metrc Sample ID:
1A40103000019CA000008792

Harvest/Process Date: 9/25/2019
Report ID:
LS-191216-49

Terpenes*
Sample Data

Terpene Analysis Date: 12/16/2019
Terpene Batch ID: TRP_121619A

Method: JAOAC 2015.1
Unit: %

Analyte	Avg.	Notes
Selinadiene	1.15%	
β-Farnesene 2	0.959%	
Terpinolene	0.461%	
β-Caryophyllene	0.326%	
β-Ocimene	0.297%	
Limonene	0.154%	
β-Myrcene	0.139%	
Humulene	0.110%	
β-Pinene	0.0543%	
α-Terpineol	0.0508%	
α-Pinene	0.0429%	
Linalool	0.0384%	
α-Phellandrene	0.0345%	
Fenchol	0.0315%	
Δ3-Carene	0.0228%	
γ-Terpinene	0.0216%	
Eucalyptol	0.0208%	
α-Ocimene	0.0139%	
Isoborneol	0.00674%	
Camphene	0.00456%	
Sabinene Hydrate	0.00411%	
Fenchone	0.00242%	
Azulene	ND	
Borneol	ND	
Camphore	ND	
Caryophyllene Oxide	ND	
Cedrol	ND	
Cymene	ND	
Geraniol	ND	

Analyte	Avg.	Notes
Geranyl Acetate	ND	
Guaiol	ND	
Isopulegol	ND	
Nerol	ND	
Pulegone	ND	
Sabinene	ND	
Valencene	ND	
cis-Nerolidol	ND	
trans-Nerolidol	ND	
α-Bisabolol	ND	
α-Cedrene	ND	
α-Terpinene	ND	
β-Farnesene 1	ND	
γ-Terpineol	ND	
Total	3.95%	

LIGHTSCALE LABS

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

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

Nice Tsunami

East Fork Cultivars
9953 Takilma Rd
Cave Junction, OR 97523
503-810-7120

Sample Type: Buds
Sample Date: 12/10/2019
Analysis Date: 12/12/2019
Report Date: 12/17/2019

Metrc Batch ID:
1A40103000019CA000008767
Metrc Sample ID:
1A40103000019CA000008792

Harvest/Process Date: 9/25/2019
Report ID:
LS-191216-49

Pesticides
Sample Data

Pesticides Analysis Date: 12/12/2019
Pesticides Batch ID: PST_121219B

Method: EN 15662
Unit: µg/g (ppm)

Pass

Analyte	FDW-TXM-FDN	Limits	LOQ	Notes	Status
Abamectin	ND	0.5	0.1		Pass
Acephate	ND	0.4	0.1		Pass
Acequinocyl	ND	2.0	1.5		Pass
Acetamiprid	ND	0.2	0.1		Pass
Aldicarb	ND	0.4	0.1		Pass
Azoxystrobin	ND	0.2	0.1		Pass
Bifenazate	ND	0.2	0.1		Pass
Bifenthrin	ND	0.2	0.1		Pass
Boscalid	ND	0.4	0.1		Pass
Carbaryl	ND	0.2	0.1		Pass
Carbofuran	ND	0.2	0.1		Pass
Chlorantraniliprole	ND	0.2	0.1		Pass
Chlorfenapyr	ND	1.0	0.1		Pass
Chlorpyrifos	ND	0.2	0.1		Pass
Clofentezine	ND	0.2	0.1		Pass
Cyfluthrin	ND	1.0	0.5		Pass
Cypermethrin	ND	1.0	0.1		Pass
Daminozide	ND	1.0	0.5		Pass
Diazinon	ND	0.2	0.1		Pass
Dichlorvos (DDVP)	ND	1.0	0.5		Pass
Dimethoate	ND	0.2	0.1		Pass
Ethoprophos	ND	0.2	0.1		Pass
Etofenprox	ND	0.4	0.1		Pass
Etoxazole	ND	0.2	0.1		Pass
Fenoxycarb	ND	0.2	0.1		Pass
Fenpyroximate	ND	0.4	0.1		Pass
Fipronil	ND	0.4	0.1		Pass
Flonicamid	ND	1.0	0.1		Pass
Fludioxonil	ND	0.4	0.1		Pass
Hexythiazox	ND	1.0	0.1		Pass
Imazalil	ND	0.2	0.1		Pass
Imidacloprid	ND	0.4	0.1		Pass
Kresoxim-methyl	ND	0.4	0.1		Pass
Malathion	ND	0.2	0.1		Pass

Analyte	FDW-TXM-FDN	Limits	LOQ	Notes	Status
Metalaxyl	ND	0.2	0.1		Pass
Methiocarb	ND	0.2	0.1		Pass
Methomyl	ND	0.4	0.1		Pass
Methyl Parathion	ND	0.2	0.2		Pass
MGK-264	ND	0.2	0.2		Pass
Myclobutanil	ND	0.2	0.1		Pass
Naled	ND	0.5	0.2		Pass
Oxamyl	ND	1.0	0.1		Pass
Paclobutrazol	ND	0.4	0.1		Pass
Permethrins	ND	0.2	0.1		Pass
Phosmet	ND	0.2	0.1		Pass
Piperonyl Butoxide	ND	2.0	0.1		Pass
Prallethrin	ND	0.2	0.1		Pass
Propiconazole	ND	0.4	0.1		Pass
Propoxur	ND	0.2	0.1		Pass
Pyrethrins	ND	1.0	0.5		Pass
Pyridaben	ND	0.2	0.1		Pass
Spinosad	ND	0.2	0.1		Pass
Spiromesifen	ND	0.2	0.1		Pass
Spirotetramat	ND	0.2	0.1		Pass
Spiroxamine	ND	0.4	0.1		Pass
Tebuconazole	ND	0.4	0.1		Pass
Thiacloprid	ND	0.2	0.1		Pass
Thiamethoxam	ND	0.2	0.1		Pass
Trifloxystrobin	ND	0.2	0.1		Pass

LIGHTSCALE LABS

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

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

Nice Tsunami

East Fork Cultivars
9953 Takilma Rd
Cave Junction, OR 97523
503-810-7120

Sample Type: Buds
Sample Date: 12/10/2019
Analysis Date: 12/12/2019
Report Date: 12/17/2019

Metrc Batch ID:
1A40103000019CA000008767
Metrc Sample ID:
1A40103000019CA000008792

Harvest/Process Date: 9/25/2019
Report ID:
LS-191216-49

Pesticides
Quality Control Data

Pesticides QC Analysis Date: 12/12/2019
Pesticides QC Batch ID: PST_121219B

Method: EN 15662
Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.1	0.855	1.00	85.5	50 - 150	
Acephate	ND	0.1	0.533	1.00	53.3	50 - 150	
Acequinocyl	ND	1.5	0.170	1.00	***17.0***	50 - 150	LR
Acetamiprid	ND	0.1	0.843	1.00	84.3	50 - 150	
Aldicarb	ND	0.1	0.711	1.00	71.1	50 - 150	
Azoxystrobin	ND	0.1	0.732	1.00	73.2	50 - 150	
Bifenazate	ND	0.1	1.15	1.00	115	50 - 150	
Bifenthrin	ND	0.1	0.718	1.00	71.8	50 - 150	
Boscalid	ND	0.1	1.29	1.00	129	50 - 150	
Carbaryl	ND	0.1	0.795	1.00	79.5	50 - 150	
Carbofuran	ND	0.1	0.816	1.00	81.6	50 - 150	
Chlorantraniliprole	ND	0.1	0.820	1.00	82.0	50 - 150	
Chlorfenapyr	ND	0.1	0.783	1.00	78.3	50 - 150	
Chlorpyrifos	ND	0.1	1.00	1.00	100	50 - 150	
Clofentezine	ND	0.1	0.556	1.00	55.6	50 - 150	
Cyfluthrin	ND	0.5	1.13	1.00	113	50 - 150	
Cypermethrin	ND	0.1	1.33	1.00	133	50 - 150	
Daminozide	ND	0.5	ND	1.00	***0.00***	10 - 150	ND
Diazinon	ND	0.1	0.695	1.00	69.5	50 - 150	
Dichlorvos (DDVP)	ND	0.5	1.26	1.00	126	50 - 150	
Dimethoate	ND	0.1	0.784	1.00	78.4	50 - 150	
Ethoprophos	ND	0.1	0.976	1.00	97.6	50 - 150	
Etofenprox	ND	0.1	0.787	1.00	78.7	50 - 150	
Etoxazole	ND	0.1	0.841	1.00	84.1	50 - 150	
Fenoxycarb	ND	0.1	0.721	1.00	72.1	50 - 150	
Fenpyroximate	ND	0.1	0.960	1.00	96.0	50 - 150	
Fipronil	ND	0.1	0.573	1.00	57.3	50 - 150	
Flonicamid	ND	0.1	0.832	1.00	83.2	50 - 150	
Fludioxonil	ND	0.1	0.809	1.00	80.9	50 - 150	
Hexythiazox	ND	0.1	0.564	1.00	56.4	50 - 150	
Imazalil	ND	0.1	0.689	1.00	68.9	50 - 150	
Imidacloprid	ND	0.1	0.787	1.00	78.7	50 - 150	
Kresoxim-methyl	ND	0.1	0.739	1.00	73.9	50 - 150	
Malathion	ND	0.1	0.599	1.00	59.9	50 - 150	

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	0.652	1.00	65.2	50 - 150	
Methiocarb	ND	0.1	0.613	1.00	61.3	50 - 150	
Methomyl	ND	0.1	0.825	1.00	82.5	50 - 150	
Methyl Parathion	ND	0.2	0.464	1.00	46.4	30 - 150	
MGK-264	ND	0.2	ND	0.600	***0.00***	50 - 150	ND
Myclobutanil	ND	0.1	0.769	1.00	76.9	50 - 150	
Naled	ND	0.2	0.570	1.00	57.0	50 - 150	
Oxamyl	ND	0.1	0.828	1.00	82.8	50 - 150	
Paclobutrazol	ND	0.1	0.501	1.00	50.1	50 - 150	
Permethrins	ND	0.1	0.974	1.00	97.4	50 - 150	
Phosmet	ND	0.1	0.891	1.00	89.1	50 - 150	
Piperonyl Butoxide	ND	0.1	0.643	1.00	64.3	50 - 150	
Prallethrin	ND	0.1	0.805	1.00	80.5	50 - 150	
Propiconazole	ND	0.1	0.893	1.00	89.3	50 - 150	
Propoxur	ND	0.1	0.738	1.00	73.8	50 - 150	
Pyrethrins	ND	0.5	0.795	1.00	79.5	50 - 150	
Pyridaben	ND	0.1	0.954	1.00	95.4	50 - 150	
Spinosad	ND	0.1	0.716	1.00	71.6	50 - 150	
Spiromesifen	ND	0.1	1.27	1.00	127	50 - 150	
Spirotetramat	ND	0.1	0.698	1.00	69.8	50 - 150	
Spiroxamine	ND	0.1	ND	1.00	***0.00***	50 - 150	ND
Tebuconazole	ND	0.1	0.727	1.00	72.7	50 - 150	
Thiacloprid	ND	0.1	0.586	1.00	58.6	50 - 150	
Thiamethoxam	ND	0.1	0.903	1.00	90.3	50 - 150	
Trifloxystrobin	ND	0.1	0.790	1.00	79.0	50 - 150	

LIGHTSCALE LABS

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

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

Nice Tsunami

East Fork Cultivars
9953 Takilma Rd
Cave Junction, OR 97523
503-810-7120

Sample Type: Buds
Sample Date: 12/10/2019
Analysis Date: 12/12/2019
Report Date: 12/17/2019

Metrc Batch ID:
1A40103000019CA000008767
Metrc Sample ID:
1A40103000019CA000008792

Harvest/Process Date: 9/25/2019
Report ID:
LS-191216-49

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