LIGHTSCALE LABS

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

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

Kush Petals

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

Sample Type: Buds
Sample Date: 5/7/2019
Analysis Date: 5/8/2019
Report Date: 6/4/2019

Metrc Batch ID:
1A40103000019CA000006678
Metrc Sample ID:
1A40103000019CA000006750

Harvest/Process Date:

Report ID:
LS-190510-1

Potency

Potency Analysis Date: 5/8/2019
Potency Batch ID: CAN_050819C
Potency Method: JAOAC 2015.1

Moisture Content: 11.0%
Water Activity: 0.477 a_w
Water Activity Method: AOAC 978.18

4.94% Total THC

13.4% Total CBD

Samples: FHD-DCJ-BBB

Analyte	Description	LOQ	RPD	Min.	Max.	Conc.	Unit: %
Δ9THC	Delta-9 Tetrahydrocannabinol	0.40	-	-	-	0.456	
THCA	Tetrahydrocannabinolic acid	0.40	-	-	-	5.11	
CBD	Cannabidiol	0.40	-	-	-	<LOQ	
CBDA	Cannabidiolic acid	0.40	-	-	-	15.3	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.40	-	-	-	ND	
THCV	Tetrahydrocannabivarin*	0.40	-	-	-	ND	
CBG	Cannabigerol*	0.40	-	-	-	ND	
CBGA	Cannabigerolic acid*	0.40	-	-	-	<LOQ	
CBC	Cannabichromene*	0.40	-	-	-	ND	
CBCA	Cannabichromenic acid*	0.40	-	-	-	0.908	
CBN	Cannabinol	0.40	-	-	-	ND	
Total THC	Δ9THC + (THCA × 0.877)		-	-	-	4.94	
Total CBD	CBD + (CBDA × 0.877)		-	-	-	13.4	
Total			-	-	-	21.8	

Compliance

Pesticides	Within limits	Analysis Date: 5/9/2019	Pass
Moisture Content	Within limits	Analysis Date: 5/8/2019	Pass
Water Activity	Within limits	Analysis Date: 5/8/2019	Pass

Ian Eustis
Lab Director

Aaron Troyer
Chief Science Officer

LS-190510-1

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Terpenes*
Sample Data

Terpene Analysis Date: 5/8/2019
Terpene Batch ID: TRP_050819A

Method: JAOAC 2015.1
Unit: %

Analyte	Avg.	Notes
β-Myrcene	0.402%	-
Terpinolene	0.209%	-
Limonene	0.191%	-
β-Caryophyllene	0.156%	-
β-Ocimene	0.101%	-
Linalool	0.0851%	-
Humulene	0.0608%	-
Selinadiene	0.0494%	-
α-Bisabolol	0.0491%	-
β-Pinene	0.0467%	-
α-Terpineol	0.0460%	-
α-Pinene	0.0308%	-
Guaiol	0.0265%	-
α-Phellandrene	0.00969%	-
Azulene	ND	-
Borneol	ND	-
Camphene	ND	-
Camphore	ND	-
Caryophyllene Oxide	ND	-
Cedrol	ND	-
Cymene	ND	-
Eucalyptol	ND	-
Fenchol	ND	-
Fenchone	ND	-
Geraniol	ND	-
Geranyl Acetate	ND	-
Isoborneol	ND	-
Isopulegol	ND	-
Nerol	ND	-
Pulegone	ND	-
Sabinene	ND	-
Sabinene Hydrate	ND	-
Valencene	ND	-
cis-Nerolidol	ND	-

Analyte	Avg.	Notes
trans-Nerolidol	ND	-
Δ3-Carene	ND	-
α-Cedrene	ND	-
α-Ocimene	ND	-
α-Terpinene	ND	-
β-Farnesene 1	ND	-
β-Farnesene 2	ND	-
γ-Terpinene	ND	-
γ-Terpineol	ND	-
Total	1.46%	-

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Pesticides
Sample Data

Pesticides Analysis Date: 5/9/2019
Pesticides Batch ID: PST_050919A

Method: EN 15662
Unit: µg/g (ppm)

Pass

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

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

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Pesticides Quality Control Data

Pesticides QC Analysis Date: 5/9/2019
Pesticides QC Batch ID: PST_050919A

Method: EN 15662
Unit: µg/g (ppm)

Laboratory Pesticides Quality Control Results

Method: **EN 15662** Units: ppm (µg/g) Batch ID: PST_050919A

Pesticide	Blank Result	LOQ	Notes	LCS Result	LCS Spike	LCS% Rec	Limits	Notes	Pesticide	Blank Result	LOQ	Notes	LCS Result	LCS Spike	LCS% Rec	Limits	Notes
Abamectin	nd	0.1		0.9	1.0	87	50 - 150		Imazalil	nd	0.1		0.9	1.0	92	50 - 150	
Acephate	nd	0.1		1.0	1.0	96	50 - 150		Imidacloprid	nd	0.1		0.8	1.0	84	50 - 150	
Acequinocyl	nd	1.0		0.9	1.0	91	50 - 150		Kresoxim-methyl	nd	0.1		0.9	1.0	90	50 - 150	
Acetamiprid	nd	0.1		0.8	1.0	82	50 - 150		Malathion	nd	0.1		1.2	1.0	118	50 - 150	
Aldicarb	nd	0.1		0.9	1.0	89	50 - 150		Metalaxyl	nd	0.1		1.0	1.0	95	50 - 150	
Azoxystrobin	nd	0.1		1.0	1.0	97	50 - 150		Methiocarb	nd	0.1		1.2	1.0	115	50 - 150	
Bifenthrin	nd	0.1		1.0	1.0	105	50 - 150		Methomyl	nd	0.1		0.9	1.0	89	50 - 150	
Bifenazate	nd	0.1		1.5	1.0	150	50 - 150		Methyl Parathion	nd	0.1		0.6	1.0	62	30 - 150	
Boscalid	nd	0.1		1.1	1.0	111	50 - 150		MGK-264	nd	0.2		0.5	0.6	89	50 - 150	
Carbaryl	nd	0.1		1.1	1.0	108	50 - 150		Myclobutanil	nd	0.1		1.0	1.0	98	50 - 150	
Carbofuran	nd	0.1		0.8	1.0	83	50 - 150		Naled	nd	0.1		1.0	1.0	98	50 - 150	
Chlorantraniliprole	nd	0.1		0.9	1.0	89	50 - 150		Oxamyl	nd	0.1		0.8	1.0	85	50 - 150	
Chlorfenapyr	nd	0.1		1.0	1.0	101	50 - 150		Paclobutrazol	nd	0.1		0.7	1.0	69	50 - 150	
Chlorpyrifos	nd	0.1		1.1	1.0	106	50 - 150		Permethrin	nd	0.1		1.0	1.0	105	50 - 150	
Clofentezine	nd	0.1		1.1	1.0	105	50 - 150		Phosmet	nd	0.1		1.0	1.0	104	50 - 150	
Cyfluthrin	nd	0.5		1.2	1.0	118	50 - 150		Piperonyl Butoxide	nd	0.1		0.9	1.0	93	50 - 150	
Cypermethrin	nd	0.1		0.9	1.0	94	50 - 150		Prallethrin	nd	0.1		1.0	1.0	102	50 - 150	
Daminozide	nd	0.5		0.3	1.0	35	10 - 150		Propiconazole	nd	0.1		0.9	1.0	92	50 - 150	
Diazinon	nd	0.1		1.1	1.0	107	50 - 150		Propoxur	nd	0.1		0.9	1.0	86	50 - 150	
Dichlorvos	nd	0.5		1.0	1.0	103	50 - 150		Pyrethrins	nd	0.2		1.0	1.0	97	50 - 150	
Dimethoate	nd	0.1		0.9	1.0	88	50 - 150		Pyridaben	nd	0.1		0.9	1.0	87	50 - 150	
Ethoprophos	nd	0.1		0.9	1.0	91	50 - 150		Spinosad A kps	nd	0.1		0.7	1.0	71	50 - 150	
Etofenprox	nd	0.1		0.9	1.0	90	50 - 150		Spinosad D kps	nd	0.1		0.1	0.1	74	50 - 150	
Etoxazole	nd	0.1		0.8	1.0	84	50 - 150		Spiromesifen	nd	0.1		0.9	1.0	86	50 - 150	
Fenoxycarb	nd	0.1		0.9	1.0	94	50 - 150		Spirotetramat	nd	0.1		0.9	1.0	90	50 - 150	
Fenpyroximate	nd	0.1		0.9	1.0	91	50 - 150		Spiroxamine	nd	0.1		0.8	1.0	76	50 - 150	
Fipronil	nd	0.1		1.1	1.0	111	50 - 150		Tebuconazole	nd	0.1		0.9	1.0	85	50 - 150	
Flonicamid	nd	0.1		0.8	1.0	82	50 - 150		Thiacloprid	nd	0.1		1.0	1.0	96	50 - 150	
Fludioxonil	nd	0.1		1.0	1.0	96	50 - 150		Thiamethoxam	nd	0.1		0.8	1.0	79	50 - 150	
Hexythiazox	nd	0.1		0.9	1.0	85	50 - 150		Trifloxystrobin	nd	0.1		0.9	1.0	88	50 - 150	

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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