

Sample Name: **9lb Hammer**
 Tested for: **Western Oregon Botanicals**
Compliance - Usable

Laboratory ID: 18J0053-02

Matrix: Useable Marijuana

Sample Metrc ID: 1A40103000098BF000001282

Strain: 9lb Hammer

Lot # 9/26 9lb

Date Sampled: 10/15/18 00:00

Batch RFID: 1A40103000098BF000001279

Date Accepted: 10/15/18

Batch Size: 2270 (g)

Results Valid Until: 10/15/19



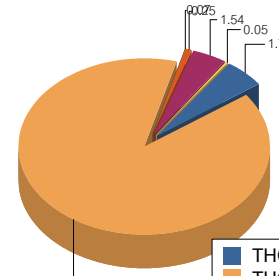
Potency Analysis

Date Extracted: 10/16/18

Analysis Method/SOP: Potency

Date Analyzed: 10/16/18

* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	Cannabinoids Profile														
Total THC ((THCA*0.877)+d9)	28.17	281.7	 <table border="1"> <tr><td>THC</td><td>1.76</td></tr> <tr><td>THCA</td><td>30.11</td></tr> <tr><td>CBDA</td><td>0.07</td></tr> <tr><td>CBG</td><td>0.25</td></tr> <tr><td>CBGA</td><td>1.54</td></tr> <tr><td>CBC</td><td>0.05</td></tr> <tr><td>Total:</td><td>33.77</td></tr> </table>	THC	1.76	THCA	30.11	CBDA	0.07	CBG	0.25	CBGA	1.54	CBC	0.05	Total:	33.77
THC	1.76																
THCA	30.11																
CBDA	0.07																
CBG	0.25																
CBGA	1.54																
CBC	0.05																
Total:	33.77																
Total CBD ((CBDA*0.877)+CBD)	0.06	0.6															
d9-THC (d9-Tetrahydrocannabinol)*	1.76	17.6															
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ															
THCA (d9-Tetrahydrocannabinolic Acid)*	30.11	301.1															
CBD (Cannabidiol)*	< LOQ	< LOQ															
CBDA (Cannabidiolic Acid)*	0.07	0.7															
CBN (Cannabinol)*	< LOQ	< LOQ															
CBG (Cannabigerol)*	0.25	2.5															
CBGA (Cannabigerolic Acid)	1.54	15.4															
CBDV (Cannabidivarin)*	< LOQ	< LOQ															
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ															
CBC (Cannabichromene)*	0.05	0.5															
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ															
Total Cannabinoids	33.77	337.7															

Water Activity and Moisture

Analyte	Result	Limit	Units	LOQ	Analyzed	Method
Water Activity	0.424	0.65	AW	0.0300	10/17/2018	Water Activity
Percent Moisture	11.5	15	%	0.10	10/17/2018	Moisture

Cannabinoids reported as dry weight (moisture corrected)

Results above the action level are highlighted in red #.

<LOQ - Results below the Limit of Quantitation - Compound not detected



Brian Weigel
Lab Director

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Sample Name: 9lb Hammer	Date Sampled: 10/15/18 00:00
Tested for: Western Oregon Botanicals Compliance - Usable	Date Accepted: 10/15/18
Laboratory ID: 18J0053-02 Strain: 9lb Hammer	Results Valid Until: 10/15/19
Matrix: Useable Marijuana	Sample Metrc ID: 1A40103000098BF000001282
Lot # 9/26 9lb	Batch RFID: 1A40103000098BF000001279
	Batch Size: 2270 (g)

Terpene Analysis

Date Extracted: 10/16/18 Analysis Method/SOP: Potency
 Date Analyzed: 10/16/18

Analyte	Result (%)	LOQ	Analyte	Result	LOQ
alpha Pinene	0.253	0.018	Myrcene	0.842	0.018
alpha Phellandrene	< LOQ	0.018	3-Carene	< LOQ	0.018
alpha Terpinene	< LOQ	0.018	Limonene	0.112	0.018
Terpinolene	< LOQ	0.018	Linalool	0.099	0.018
Fenchol	< LOQ	0.018	Borneol	< LOQ	0.018
Terpineol	0.020	0.018	Geraniol	< LOQ	0.018
alpha Humulene	0.035	0.018	beta Caryophyllene	0.131	0.018
Caryophyllene Oxide	< LOQ	0.018	alpha Bisabolol	0.051	0.018
Camphene	< LOQ	0.018	beta Pinene	0.094	0.018
Ocimene	0.104	0.018	Sabinene	< LOQ	0.018
Camphor	< LOQ	0.018	Isoborneol	< LOQ	0.018
Menthol	< LOQ	0.018	alpha Cedrene	< LOQ	0.018
Nerolidol	< LOQ	0.018	R-(+)-Pulegone	< LOQ	0.018
Eucalyptol	< LOQ	0.018	p-Cymene	< LOQ	0.018
(-)-Isopulegol	< LOQ	0.018	Geranyl Acetate	< LOQ	0.018
Guaiol	0.073	0.018	Valencene	0.043	0.018
Phytol	0.090	0.018	Citronellol	0.019	0.018
gamma-Terpinene	< LOQ	0.018			
			Total Terpenes	1.968 %	

<LOQ - Results below the Limit of Quantitation - Compound not detected
 Terpene Analysis is not ORELAP Accredited.

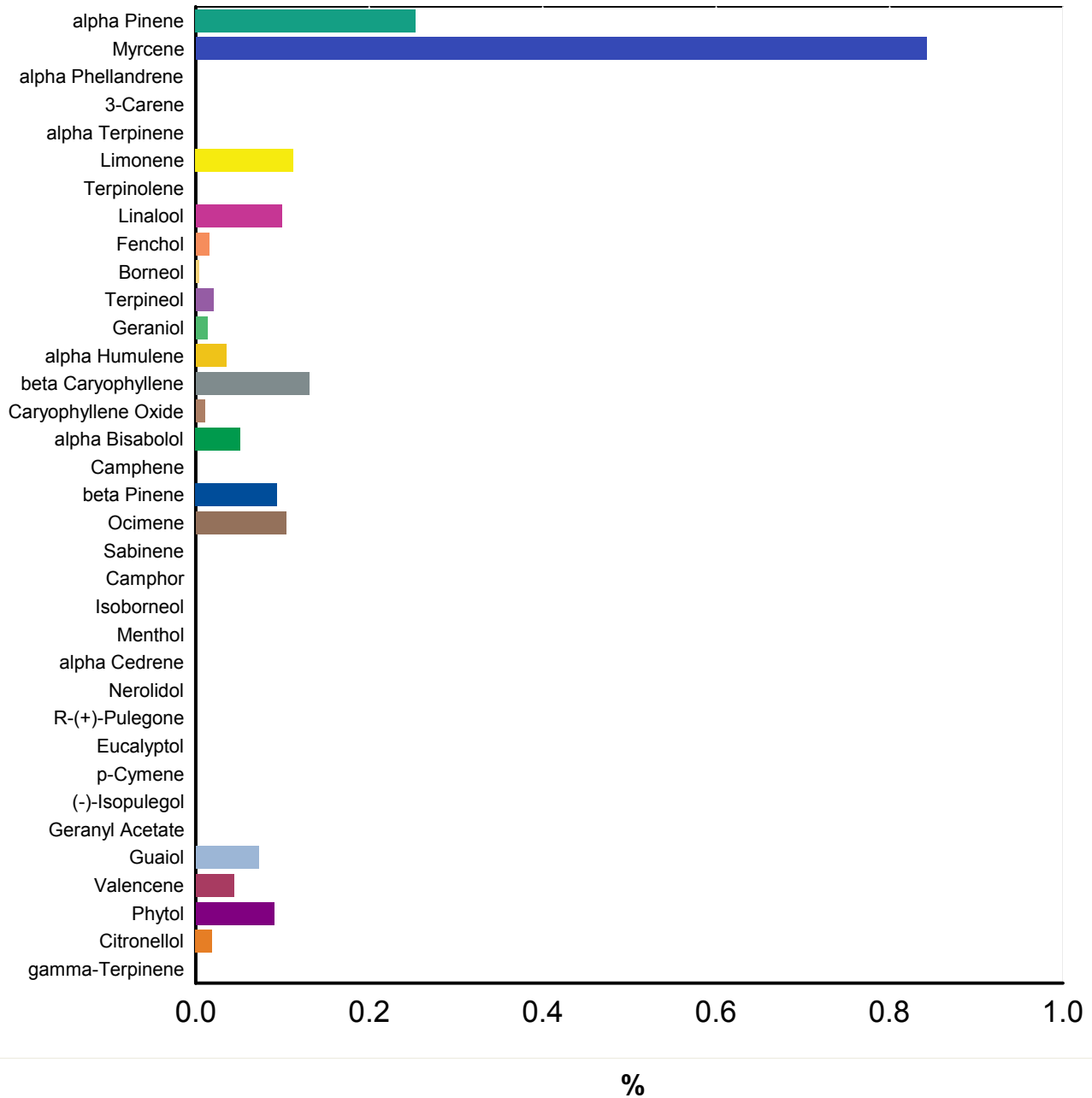


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Sample Name: 91b Hammer	Date Sampled: 10/15/18 00:00
Tested for: Western Oregon Botanicals	Date Accepted: 10/15/18 15:56
Compliance - Usable	Results Valid Until: 10/15/19
Laboratory ID: 18J0053-02	Matrix: Useable Marijuana
Client/Metr ID: 1A40103000098BF000001282	

Terpene Profile




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Sample Name: **9lb Hammer** Date Sampled: **10/15/18 00:00**
 Tested for: **Western Oregon Botanicals** Date Accepted: **10/15/18**
Compliance - Usable Results Valid Until: **10/15/19**

Laboratory ID: **18J0053-02** Strain: **9lb Hammer** Sample Metrc ID: **1A40103000098BF000001282**
 Matrix: **Useable Marijuana** Batch RFID: **1A40103000098BF000001279**
 Lot # **9/26 9lb** Batch Size: **2270 (g)**

Pesticide Analysis in ppm

Date Extracted: 10/16/18 Analysis Method/SOP: Pesticides
 Date Analyzed: 10/16/18 Results above the action levels are highlighted in red #.

Analyte	Result	Action Level	LOQ	Analyte	Result	Action Level	LOQ
Abamectin	< LOQ	0.5	0.24	Acephate	< LOQ	0.4	0.19
Acequinocyl	< LOQ	2	0.95	Acetamiprid	< LOQ	0.2	0.10
Aldicarb	< LOQ	0.4	0.19	Azoxystrobin	< LOQ	0.2	0.10
Bifenazate	< LOQ	0.2	0.10	Bifenthrin	< LOQ	0.2	0.10
Boscalid	< LOQ	0.4	0.19	Carbaryl	< LOQ	0.2	0.10
Carbofuran	< LOQ	0.2	0.10	Chlorantraniliprole	< LOQ	0.2	0.10
Chlorfenapyr	< LOQ	1	0.48	Chlorpyrifos	< LOQ	0.2	0.10
Clofentezine	< LOQ	0.2	0.10	Cyfluthrin	< LOQ	1	0.48
Cypermethrin	< LOQ	1	0.48	Daminozide	< LOQ	1	0.48
DDVP (Dichlorvos)	< LOQ	1	0.48	Diazinon	< LOQ	0.2	0.10
Dimethoate	< LOQ	0.2	0.10	Ethoprophos	< LOQ	0.2	0.10
Etofenprox	< LOQ	0.4	0.19	Etoxazole	< LOQ	0.2	0.10
Fenoxycarb	< LOQ	0.2	0.10	Fenpyroximate	< LOQ	0.4	0.19
Fipronil	< LOQ	0.4	0.19	Fonicamid	< LOQ	1	0.48
Fludioxonil	< LOQ	0.4	0.19	Hexythiazox	< LOQ	1	0.48
Imazalil	< LOQ	0.2	0.10	Imidacloprid	< LOQ	0.4	0.19
Kresoxim-methyl	< LOQ	0.4	0.19	Malathion	< LOQ	0.2	0.10
Metalaxyl	< LOQ	0.2	0.10	Methiocarb	< LOQ	0.2	0.10
Methomyl	< LOQ	0.4	0.19	Methyl parathion	< LOQ	0.2	0.10
MGK-264	< LOQ	0.2	0.10	Myclobutanil	< LOQ	0.2	0.10
Naled	< LOQ	0.5	0.24	Oxamyl	< LOQ	1	0.48
Paclobutrazol	< LOQ	0.4	0.19	Permethrins (total)	< LOQ	0.2	0.10
Phosmet	< LOQ	0.2	0.10	Piperonyl butoxide	< LOQ	2	0.48
Prallethrin	< LOQ	0.2	0.10	Propiconazole	< LOQ	0.4	0.19
Propoxur	< LOQ	0.2	0.10	Pyrethrins (total)	< LOQ	1	0.48
Pyridaben	< LOQ	0.2	0.10	Spinosad	< LOQ	0.2	0.10
Spiromesifen	< LOQ	0.2	0.10	Spirotetramat	< LOQ	0.2	0.10
Spiroxamine	< LOQ	0.4	0.19	Tebuconazole	< LOQ	0.4	0.19
Thiacloprid	< LOQ	0.2	0.10	Thiamethoxam	< LOQ	0.2	0.10
Trifloxystrobin	< LOQ	0.2	0.10				

<LOQ - Results below the Limit of Quantitation - Compound not detected



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Lab Director

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Case Narrative

Terpenes - Phytol and Guaiol exceeded normally accepted RPD criteria in the Sample Duplicate due to relatively large variations in very small values.

**Quality Control
Potency**

Batch: B180947 - Potency/Terpenes

Blank(B180947-BLK1)		Extracted - 10/16/18 11:43 Analyzed - 10/16/18 20:22						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
d9-THC (d9-Tetrahydrocannabinol)	< LOQ	%						
d8-THC (d8-Tetrahydrocannabinol)	< LOQ	%						
THCA (d9-Tetrahydrocannabinolic Acid)	< LOQ	%						
CBD (Cannabidiol)	< LOQ	%						
CBDA (Cannabidiolic Acid)	< LOQ	%						
CBN (Cannabinol)	< LOQ	%						
CBG (Cannabigerol)	< LOQ	%						
CBGA (Cannabigerolic Acid)	< LOQ	%						
CBDV (Cannabidivarin)	< LOQ	%						
CBDVA (Cannabidivarinic Acid)	< LOQ	%						
CBC (Cannabichromene)	< LOQ	%						
THCV (Tetrahydrocannabivarin)	< LOQ	%						

Duplicate(B180947-DUP1)		Extracted - 10/16/18 11:43 Analyzed - 10/16/18 20:30						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
d9-THC (d9-Tetrahydrocannabinol)	1.68	%		1.70			1.49	20
d8-THC (d8-Tetrahydrocannabinol)	< LOQ	%		< LOQ				20
THCA (d9-Tetrahydrocannabinolic Acid)	25.82	%		24.83			3.89	20
CBD (Cannabidiol)	< LOQ	%		< LOQ				20
CBDA (Cannabidiolic Acid)	0.05	%		0.05			2.28	20
CBN (Cannabinol)	< LOQ	%		< LOQ				20
CBG (Cannabigerol)	0.13	%		0.13			0.198	20
CBGA (Cannabigerolic Acid)	0.27	%		0.28			3.85	20
CBDV (Cannabidivarin)	< LOQ	%		< LOQ				20
CBDVA (Cannabidivarinic Acid)	< LOQ	%		< LOQ				20
CBC (Cannabichromene)	< LOQ	%		< LOQ				20
THCV (Tetrahydrocannabivarin)	< LOQ	%		< LOQ				20

LCS(B180947-BS1)		Extracted - 10/16/18 11:43 Analyzed - 10/16/18 20:13						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit



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Quality Control Potency (Continued)

Batch: B180947 - Potency/Terpenes (Continued)

LCS(B180947-BS1)		Extracted - 10/16/18 11:43 Analyzed - 10/16/18 20:13						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
d9-THC (d9-Tetrahydrocannabinol)	0.04	%	0.0400		104	80-120		
THCA (d9-Tetrahydrocannabinolic Acid)	0.04	%	0.0400		108	80-120		
CBD (Cannabidiol)	0.04	%	0.0400		101	80-120		
CBN (Cannabinol)	0.04	%	0.0400		91.1	80-120		



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Quality Control Pesticide Analysis

Batch: B180949 - Pesticide Prep

Blank(B180949-BLK1)		Extracted - 10/16/18 11:47 Analyzed - 10/16/18 16:00						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin	< LOQ	ppm						
Acephate	< LOQ	ppm						
Acequinocyl	< LOQ	ppm						
Acetamiprid	< LOQ	ppm						
Aldicarb	< LOQ	ppm						
Azoxystrobin	< LOQ	ppm						
Bifenazate	< LOQ	ppm						
Bifenthrin	< LOQ	ppm						
Boscalid	< LOQ	ppm						
Carbaryl	< LOQ	ppm						
Carbofuran	< LOQ	ppm						
Chlorantraniliprole	< LOQ	ppm						
Chlorfenapyr	< LOQ	ppm						
Chlorpyrifos	< LOQ	ppm						
Clofentezine	< LOQ	ppm						
Cyfluthrin	< LOQ	ppm						
Cypermethrin	< LOQ	ppm						
Daminozide	< LOQ	ppm						
DDVP (Dichlorvos)	< LOQ	ppm						
Diazinon	< LOQ	ppm						
Dimethoate	< LOQ	ppm						
Ethoprophos	< LOQ	ppm						
Etofenprox	< LOQ	ppm						
Etoxazole	< LOQ	ppm						
Fenoxycarb	< LOQ	ppm						
Fenpyroximate	< LOQ	ppm						
Fipronil	< LOQ	ppm						
Fonicamid	< LOQ	ppm						
Fludioxonil	< LOQ	ppm						
Hexythiazox	< LOQ	ppm						
Imazalil	< LOQ	ppm						
Imidacloprid	< LOQ	ppm						
Kresoxim-methyl	< LOQ	ppm						
Malathion	< LOQ	ppm						
Metalaxyl	< LOQ	ppm						



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Quality Control

Pesticide Analysis (Continued)

Batch: B180949 - Pesticide Prep (Continued)

Blank(B180949-BLK1)			Extracted - 10/16/18 11:47 Analyzed - 10/16/18 16:00					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Methiocarb	< LOQ	ppm						
Methomyl	< LOQ	ppm						
Methyl parathion	< LOQ	ppm						
MGK-264	< LOQ	ppm						
Myclobutanil	< LOQ	ppm						
Naled	< LOQ	ppm						
Oxamyl	< LOQ	ppm						
Paclbutrazol	< LOQ	ppm						
Permethrins (total)	< LOQ	ppm						
Phosmet	< LOQ	ppm						
Piperonyl butoxide	< LOQ	ppm						
Prallethrin	< LOQ	ppm						
Propiconazole	< LOQ	ppm						
Propoxur	< LOQ	ppm						
Pyrethrins (total)	< LOQ	ppm						
Pyridaben	< LOQ	ppm						
Spinosad	< LOQ	ppm						
Spiromesifen	< LOQ	ppm						
Spirotetramat	< LOQ	ppm						
Spiroxamine	< LOQ	ppm						
Tebuconazole	< LOQ	ppm						
Thiacloprid	< LOQ	ppm						
Thiamethoxam	< LOQ	ppm						
Trifloxystrobin	< LOQ	ppm						

LCS(B180949-BS1)			Extracted - 10/16/18 11:47 Analyzed - 10/16/18 16:16					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acephate	0.72	ppm	1.00		72.5	70-130		
Acetamiprid	1.16	ppm	1.00		116	70-130		
Aldicarb	1.00	ppm	1.00		99.8	70-130		
Bifenazate	1.08	ppm	1.00		108	70-130		
Boscalid	0.75	ppm	1.00		75.1	70-130		
Chlorantraniliprole	0.85	ppm	1.00		84.7	70-130		
Chlorpyrifos	0.99	ppm	1.00		98.6	70-130		
Cyfluthrin	1.37	ppm	1.00		137	70-130		



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Quality Control

Pesticide Analysis (Continued)

Batch: B180949 - Pesticide Prep (Continued)

LCS(B180949-BS1)		Extracted - 10/16/18 11:47 Analyzed - 10/16/18 16:16						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
DDVP (Dichlorvos)	1.09	ppm	1.00		109	70-130		
Ethoprophos	1.09	ppm	1.00		109	70-130		
Etoxazole	0.91	ppm	1.00		91.3	70-130		
Fenoxycarb	1.12	ppm	1.00		112	70-130		
Flonicamid	0.81	ppm	1.00		80.5	70-130		
Imazalil	0.91	ppm	1.00		91.5	70-130		
Imidacloprid	1.25	ppm	1.00		125	70-130		
Metalaxyl	0.87	ppm	1.00		86.6	70-130		
Myclobutanil	1.04	ppm	1.00		104	70-130		
Oxamyl	0.96	ppm	1.00		95.8	70-130		
Paclobutrazol	0.94	ppm	1.00		93.9	70-130		
Piperonyl butoxide	0.89	ppm	1.00		88.9	70-130		
Prallethrin	1.13	ppm	1.00		113	70-130		
Propoxur	1.01	ppm	1.00		101	70-130		
Spiromesifen	0.84	ppm	1.00		84.0	70-130		
Spiroxamine	0.41	ppm	0.550		75.0	70-130		
Thiacloprid	1.12	ppm	1.00		112	70-130		
Thiamethoxam	0.92	ppm	1.00		92.1	70-130		
Trifloxystrobin	1.04	ppm	1.00		104	70-130		

Matrix Spike(B180949-MS1)		Extracted - 10/16/18 11:47 Analyzed - 10/16/18 16:32						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acephate	1.49	ppm	1.86	< LOQ	80.2	70-130		
Acetamiprid	2.59	ppm	1.86	< LOQ	139	70-130		
Aldicarb	2.20	ppm	1.86	< LOQ	118	70-130		
Bifenazate	2.13	ppm	1.86	< LOQ	114	70-130		
Boscalid	1.62	ppm	1.86	< LOQ	86.9	70-130		
Chlorantraniliprole	1.57	ppm	1.86	< LOQ	84.5	70-130		
Chlorpyrifos	1.95	ppm	1.86	< LOQ	105	70-130		
Cyfluthrin	2.17	ppm	1.86	< LOQ	117	70-130		
DDVP (Dichlorvos)	1.99	ppm	1.86	< LOQ	107	70-130		
Ethoprophos	2.21	ppm	1.86	< LOQ	119	70-130		
Etoxazole	1.92	ppm	1.86	< LOQ	103	70-130		
Fenoxycarb	2.13	ppm	1.86	< LOQ	115	70-130		
Flonicamid	1.33	ppm	1.86	< LOQ	71.4	70-130		



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Quality Control Pesticide Analysis (Continued)

Batch: B180949 - Pesticide Prep (Continued)

Matrix Spike(B180949-MS1)			Extracted - 10/16/18 11:47 Analyzed - 10/16/18 16:32					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Imazalil	1.85	ppm	1.86	< LOQ	99.3	70-130		
Imidacloprid	2.55	ppm	1.86	< LOQ	137	70-130		
Methiocarb	2.01	ppm	1.86	< LOQ	108	70-130		
Myclobutanil	2.06	ppm	1.86	< LOQ	111	70-130		
Oxamyl	1.55	ppm	1.86	< LOQ	83.6	70-130		
Paclobutrazol	1.91	ppm	1.86	< LOQ	103	70-130		
Piperonyl butoxide	1.67	ppm	1.86	< LOQ	89.9	70-130		
Prallethrin	2.04	ppm	1.86	< LOQ	110	70-130		
Propoxur	2.16	ppm	1.86	< LOQ	116	70-130		
Spiromesifen	1.27	ppm	1.86	< LOQ	68.3	70-130		
Spiroxamine	0.85	ppm	1.02	< LOQ	82.8	70-130		
Thiacloprid	2.70	ppm	1.86	< LOQ	145	70-130		
Thiamethoxam	1.72	ppm	1.86	< LOQ	92.3	70-130		
Trifloxystrobin	1.95	ppm	1.86	< LOQ	105	70-130		

Matrix Spike Dup(B180949-MSD1)			Extracted - 10/16/18 11:47 Analyzed - 10/16/18					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acephate	1.39	ppm	2.00	< LOQ	69.7	70-130	14.0	30
Acetamiprid	2.61	ppm	2.00	< LOQ	131	70-130	6.46	30
Aldicarb	2.04	ppm	2.00	< LOQ	102	70-130	14.6	30
Bifenazate	2.06	ppm	2.00	< LOQ	103	70-130	10.3	30
Boscalid	1.58	ppm	2.00	< LOQ	79.0	70-130	9.57	30
Chlorantraniliprole	1.62	ppm	2.00	< LOQ	81.1	70-130	4.12	30
Chlorpyrifos	1.94	ppm	2.00	< LOQ	97.2	70-130	7.78	30
Cyfluthrin	1.53	ppm	2.00	< LOQ	76.4	70-130	41.8	30
DDVP (Dichlorvos)	1.82	ppm	2.00	< LOQ	91.1	70-130	15.9	30
Ethoprophos	2.10	ppm	2.00	< LOQ	105	70-130	12.1	30
Etoxazole	1.94	ppm	2.00	< LOQ	97.2	70-130	6.04	30
Fenoxycarb	2.06	ppm	2.00	< LOQ	103	70-130	10.7	30
Flonicamid	1.55	ppm	2.00	< LOQ	77.5	70-130	8.25	30
Imazalil	1.68	ppm	2.00	< LOQ	84.1	70-130	16.6	30
Imidacloprid	2.87	ppm	2.00	< LOQ	144	70-130	4.87	30
Methiocarb	2.00	ppm	2.00	< LOQ	100	70-130	7.83	30
Myclobutanil	1.98	ppm	2.00	< LOQ	99.2	70-130	10.9	30
Oxamyl	1.48	ppm	2.00	< LOQ	73.8	70-130	12.4	30



Brian Weigel
 Lab Director

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Quality Control Pesticide Analysis (Continued)

Batch: B180949 - Pesticide Prep (Continued)

Matrix Spike Dup(B180949-MSD1)			Extracted - 10/16/18 11:47 Analyzed - 10/16/18					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Paclbutrazol	1.80	ppm	2.00	< LOQ	89.9	70-130	13.1	30
Piperonyl butoxide	1.78	ppm	2.00	< LOQ	89.2	70-130	0.780	30
Prallethrin	2.07	ppm	2.00	< LOQ	103	70-130	5.95	30
Propoxur	2.02	ppm	2.00	< LOQ	101	70-130	13.9	30
Spiromesifen	1.27	ppm	2.00	< LOQ	63.6	70-130	7.00	30
Spiroxamine	0.82	ppm	1.10	< LOQ	74.8	70-130	10.1	30
Thiacloprid	2.39	ppm	2.00	< LOQ	120	70-130	19.1	30
Thiamethoxam	1.87	ppm	2.00	< LOQ	93.4	70-130	1.18	30
Trifloxystrobin	2.00	ppm	2.00	< LOQ	100	70-130	4.43	30



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Quality Control Terpene Analysis

Batch: B180948 - Potency/Terpenes

Blank(B180948-BLK1)			Extracted - 10/16/18 11:43 Analyzed - 10/16/18 18:37					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
alpha Pinene	< LOQ	%						
Myrcene	< LOQ	%						
alpha Phellandrene	< LOQ	%						
3-Carene	< LOQ	%						
alpha Terpinene	< LOQ	%						
Limonene	< LOQ	%						
Terpinolene	< LOQ	%						
Linalool	< LOQ	%						
Fenchol	< LOQ	%						
Borneol	< LOQ	%						
Terpineol	< LOQ	%						
Geraniol	< LOQ	%						
alpha Humulene	< LOQ	%						
beta Caryophyllene	< LOQ	%						
Caryophyllene Oxide	< LOQ	%						
alpha Bisabolol	< LOQ	%						
Camphene	< LOQ	%						
beta Pinene	< LOQ	%						
Ocimene	< LOQ	%						
Sabinene	< LOQ	%						
Camphor	< LOQ	%						
Isoborneol	< LOQ	%						
Menthol	< LOQ	%						
alpha Cedrene	< LOQ	%						
Nerolidol	< LOQ	%						
R-(+)-Pulegone	< LOQ	%						
Eucalyptol	< LOQ	%						
p-Cymene	< LOQ	%						
(-)-Isopulegol	< LOQ	%						
Geranyl Acetate	< LOQ	%						
Guaiol	< LOQ	%						
Valencene	< LOQ	%						
Phytol	0.237	%						
Citronellol	< LOQ	%						
gamma-Terpinene	< LOQ	%						



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Quality Control

Terpene Analysis (Continued)

Batch: B180948 - Potency/Terpenes (Continued)

Duplicate(B180948-DUP1)		Extracted - 10/16/18 11:43 Analyzed - 10/16/18 19:14						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
alpha Ocimene	< LOQ	%		< LOQ				20
alpha Terpineol	0.050	%		0.047			5.88	20
beta Ocimene	< LOQ	%		< LOQ				20
beta Terpineol	< LOQ	%		< LOQ				20
cis-Nerolidol	0.023	%		< LOQ				20
Phytol 1	0.025	%		< LOQ				20
Phytol 2	0.182	%		0.120			40.7	20
trans-Nerolidol	< LOQ	%		< LOQ				20
alpha Pinene	0.045	%		0.042			7.90	20
Myrcene	0.240	%		0.238			0.830	20
alpha Phellandrene	< LOQ	%		< LOQ				20
3-Carene	< LOQ	%		< LOQ				20
alpha Terpinene	< LOQ	%		< LOQ				20
Limonene	0.378	%		0.357			5.53	20
Terpinolene	< LOQ	%		< LOQ				20
Linalool	0.182	%		0.175			4.20	20
Fenchol	0.047	%		0.043			7.46	20
Borneol	< LOQ	%		< LOQ				20
Terpineol	0.050	%		0.047			5.88	20
Geraniol	< LOQ	%		< LOQ				20
alpha Humulene	0.177	%		0.167			5.84	20
beta Caryophyllene	0.579	%		0.546			5.98	20
Caryophyllene Oxide	< LOQ	%		< LOQ				20
alpha Bisabolol	0.081	%		0.073			10.3	20
Camphene	< LOQ	%		< LOQ				20
beta Pinene	0.066	%		0.063			4.96	20
Ocimene	< LOQ	%		< LOQ				20
Sabinene	< LOQ	%		< LOQ				20
Camphor	< LOQ	%		< LOQ				20
Isoborneol	< LOQ	%		< LOQ				20
Menthol	< LOQ	%		< LOQ				20
alpha Cedrene	< LOQ	%		< LOQ				20
Nerolidol	0.023	%		< LOQ				20
R-(+)-Pulegone	< LOQ	%		< LOQ				20
Eucalyptol	< LOQ	%		< LOQ				20



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Quality Control Terpene Analysis (Continued)

Batch: B180948 - Potency/Terpenes (Continued)

Duplicate(B180948-DUP1)			Extracted - 10/16/18 11:43 Analyzed - 10/16/18 19:14					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
p-Cymene	< LOQ	%		< LOQ				20
(-)-Isopulegol	< LOQ	%		< LOQ				20
Geranyl Acetate	< LOQ	%		< LOQ				20
Guaiol	0.044	%		0.032			31.9	20
Valencene	0.139	%		0.124			11.7	20
Phytol	0.207	%		0.120			52.8	20
Citronellol	< LOQ	%		< LOQ				20
gamma-Terpinene	< LOQ	%		< LOQ				20

Batch: B180950 - Gravimetric

Duplicate(B180950-DUP1)			Extracted - 10/17/18 12:51 Analyzed - 10/17/18 12:51					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Percent Moisture	11.8	%		11.8			0.121	20

Batch: B180951 - Water Activity

Duplicate(B180951-DUP1)			Extracted - 10/17/18 14:27 Analyzed - 10/17/18 14:27					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Water Activity	0.391	AW		0.407			4.16	20



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Client: Western Oregon Botanicals Client License: 02010021071d94 Date: 10/15/2018 Thermometer ID: T014
 Location: 18270 SW Benton Rd Sherwood OR Requestor: Abdullah Naimi Event ID: 18J0053 Balance ID: SAMP_BAL_02
 Sampling SOP: SC-OR-SAMP-003 Sampler: Justin Miller Transporter: Justin Miller Hygrometer ID: Anemometer_02
 Lab ORELAP ID: 4133
 Lab OLCC ID: 1004748743D



Weight used (g)	Weight Set ID	Acceptance Criteria	Initial Measured	Initial P/F	Final Measured	Final P/F
0.5	SAMP_CAL_02	±2.5%	0.5	P	0.5	P
200		±2.5%	199.99		199.99	

Container Type	METRC Harvest/Processing Lot ID #:				Product Type	Client Sample Name	Product Date	Batch Size (g)
Storage Bin	9/26 MW				Usable Marijuana	Maui Wowie	9/26/2018	1816
METRC Batch ID	Product Temp (°C)	Humidity (%)	# of Containers	Sample Media	# Zones	# of Inc.	1* Sample Size (g)	Sample Name
1A4010300098BF000001280	21.2	43.6	2	Mylar Bag	4	8	1.5	Maui Wowie Primary
Lab Sample ID	Container ID		Increment Zone	Sampling Media Wt. (g)	Wt. Inc+Media (g)	Increment Weight (g)	Sample METRC ID#	
18J0053-01	Maui Wowie-1		A1	0	1.5	1.5	1A4010300098BF000001281	
18J0053-01	Maui Wowie-1		A1	0	3	3	1A4010300098BF000001281	
18J0053-01	Maui Wowie-1		A1	0	4.5	4.5	1A4010300098BF000001281	
18J0053-01	Maui Wowie-1		A2	0	6	6	1A4010300098BF000001281	
18J0053-01	Maui Wowie-2		B1	0	7.5	7.5	1A4010300098BF000001281	
18J0053-01	Maui Wowie-2		B4	0	9	9	1A4010300098BF000001281	
18J0053-01	Maui Wowie-2		B4	0	10.5	10.5	1A4010300098BF000001281	
18J0053-01	Maui Wowie-2		B4	0	12.15	12.15	1A4010300098BF000001281	
Minimum Sample Size = 9.1g (Usable Marijuana Only)					Total Sample Mass = 54.15			
Observations and Abnormalities:		Batch #	Marks/Labels	Cont. Types/Sizes	Uniform	Plant Colors	Shape and Size	Sampling Plan

Container Type	METRC Harvest/Processing Lot ID #:				Product Type	Client Sample Name	Product Date	Batch Size (g)
Storage Bin	9/26 9lb				Usable Marijuana	9lb Hammer	9/26/2018	2270
METRC Batch ID	Product Temp (°C)	Humidity (%)	# of Containers	Sample Media	# Zones	# of Inc.	1* Sample Size (g)	Sample Name
1A4010300098BF000001279	21.2	43.6	3	Mylar Bag	4	8	1.6	9lb Hammer Primary
Lab Sample ID	Container ID		Increment Zone	Sampling Media Wt. (g)	Wt. Inc+Media (g)	Increment Weight (g)	Sample METRC ID#	
18J0053-02	9lb Hammer-1		A1	0	1.6	1.6	1A4010300098BF000001282	
18J0053-02	9lb Hammer-1		A1	0	3.2	3.2	1A4010300098BF000001282	
18J0053-02	9lb Hammer-1		A2	0	4.8	4.8	1A4010300098BF000001282	
18J0053-02	9lb Hammer-2		B1	0	6.4	6.4	1A4010300098BF000001282	
18J0053-02	9lb Hammer-2		B1	0	8	8	1A4010300098BF000001282	
18J0053-02	9lb Hammer-2		B2	0	9.6	9.6	1A4010300098BF000001282	
18J0053-02	9lb Hammer-2		B3	0	11.2	11.2	1A4010300098BF000001282	
18J0053-02	9lb Hammer-3		C1	0	12.96	12.96	1A4010300098BF000001282	



**OREGON LIQUOR CONTROL COMMISSION
CANNABIS TRANSPORTATION MANIFEST**



18J0053

All sales transactions are to be completed prior to transportation of any CANNABIS. The receiving entity may reject product delivered, but amount delivered must be limited to amount agreed upon in prior sales transaction.

Manifest No.:	0001043301	Date Created:	10/15/2018 3:01 PM
Originating Entity:	Western Oregon Botanicals	For OLCC Use Only	
Originating License Number:	020-10021071D94		
Address of Originating Entity:	18270 SW Belton Road Sherwood, OR 97140		
Phone No. of Originating Entity:	971-325-4690		
Contact Phone No. for Inquiries: 503-285-8065			
Destination # 1	SC Laboratories	Destination Phone No.:	707-339-0050
Destination License Number:	010-1004748743D	Date and Approx. Time of Departure:	10/15/2018 2:59 PM
Address of Destination:	15865 SW 74th Avenue Ste 110 Tigard, OR 97224	Date and Approx. Time of Arrival:	10/15/2018 3:59 PM
		Date/Time Received:	10/15/18 1556
		Notes: details for extenuating circumstances (e.g., road closure, flat tire, etc.)	
Route to be Traveled: See Google Maps route			
Name of Person Transporting:	Justin Miller	Handler Permit No. of Driver:	Justinmiller100674
State Driver's License No.:	8014008	Signature of Person Transporting:	
Make, Model, License Plate No.:	Nissan NV200 825KAT		
Package # 1	Production Batch No.	Item Name	Quantity
1A40103000098BF000001281 Lab Test: SubmittedForTesting Status: Shipped		Maui Wowie (Buds (by strain))	Shp: 12.1500 g
Harvests:	9/26 mw		
Package # 2	Production Batch No.	Item Name	Quantity
1A40103000098BF000001282 Lab Test: SubmittedForTesting Status: Shipped		9lb Hammer (Buds (by strain))	Shp: 12.9600 g
Harvests:	9/26 9 lb		
Package # 3	Production Batch No.	Item Name	Quantity
1A40103000098BF000001284 Lab Test: SubmittedForTesting Status: Shipped		Mango (Buds (by strain))	Shp: 15.2100 g
Harvests:	6/26		
PRODUCT REJECTION (if only a portion of shipment is rejected, circle that portion above)			
Name of Person Receiving or Rejecting Product:	Justin Miller		
I confirm that the contents of this shipment match weight records entered above, and I agree to take custody of those portions of this shipment not circled above. Those portions circled were returned to the individual delivering this shipment.			
Signature:		Date:	10/15/18
Signature of individual taking receipt of rejected portion of this shipment:			

CHAIN OF CUSTODY



18J0053

1/1

Sample Type Legend

U - Usable Marijuana

C - Concentrate

P - Product

O - Other

SC Laboratories Oregon LLC
15865 SW 74th Avenue, Ste 110
Tigard OR, 97224
(503) 272-8830
ORELAP ID # 4133
www.sclabs.com

Client	Western Oregon Botanicals 18270 SW Benton Rd Sherwood OR	COC #	18J0053
Address	18270 SW Benton Rd Sherwood OR	Work Order #	18J0053
Date Sampled	10/15/2018	Received By	JSM
OLCC License #	02010021071994	Received Date	10/15/18
OLCC License Type	Grower	Courier	Justin Miller
Email	abdulla.naimi@velho.us	Name of Sampler	Justin Miller
Phone	208-989-3449	Transfer Manifest #	1043301
Sampler OLCC License #	010-1004748743D	Place where Sampled	18270 SW Benton Rd Sherwood OR

TESTS REQUESTED

Sample Name	Time	METRC Label	Unique Batch Number	SC Labs LIMS ID	Sample Type	Total Sample Mass	# of Increments	TESTS REQUESTED					Sample Specific Notes
								Potency	Water Activity	Moisture Content	Pesticide	Residual Solvent	
Maui Wowie Primary		1A40103000098BF000001281	Maui Wowie	18J0053-01	U	12.15	8	X	X	X	X		
9lb Hammer Primary		1A40103000098BF000001282	9lb Hammer	18J0053-02	U	12.96	8	X	X	X	X		
Mango Primary		1A40103000098BF000001284	Mango	18J0053-03	U	15.21	8	X	X	X	X		

Notes/Special Considerations: Opt OUT of Sample Duplicate Yes No

Samples Relinquished

Print Name: Josh Shindler Date: 10/15/18

Representative of: Western Oregon Botanicals

Signature: [Signature] Time: 2:53PM

Samples Received

Print Name: Justin Miller Date: 10/15/18

Representative of: SC Labs

Signature: [Signature] Time: 2:55pm

Samples Relinquished

Print Name: _____ Date: _____

Representative of: _____

Signature: _____ Time: _____

Samples Received

Print Name: _____ Date: _____

Representative of: _____

Signature: _____ Time: _____