

Sample Name: **Maui Wowie**
 Tested for: **Western Oregon Botanicals**
Compliance - Usable

Laboratory ID: 19A0062-01

Matrix: Useable Marijuana

Sample Metrc ID: 1A40103000098BF000001376

Strain: Maui Wowie

Lot # 12/20 Harvest

Date Sampled: 01/16/19 12:25

Batch RFID: 1A40103000098BF000001373

Date Accepted: 01/16/19

Batch Size: 3628 (g)



Potency Analysis

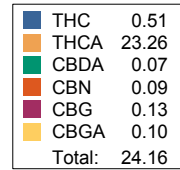
Date Extracted: 01/18/19

Analysis Method/SOP: Potency

Date Analyzed: 01/18/19

* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	LOQ (%)	Cannabinoids Profile
Total THC ((THCA*0.877)+d9)	20.91	209.1	0.03	
Total CBD ((CBDA*0.877)+CBD)	0.06	0.6	0.03	
d9-THC (d9-Tetrahydrocannabinol)*	0.51	5.1	0.04	
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04	
THCA (d9-Tetrahydrocannabinolic Acid)*	23.26	232.6	0.07	
CBD (Cannabidiol)*	< LOQ	< LOQ	0.03	
CBDA (Cannabidiolic Acid)*	0.07	0.7	0.07	
CBN (Cannabinol)*	0.09	0.9	0.03	
CBG (Cannabigerol)*	0.13	1.3	0.04	
CBGA (Cannabigerolic Acid)	0.10	1	0.04	
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.04	
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ	0.04	
CBC (Cannabichromene)*	< LOQ	< LOQ	0.04	
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ	0.04	
Total Cannabinoids	24.16	241.6	0.03	



Water Activity and Moisture

Analyte	Result	Limit	Units	LOQ	Analyzed	Method
Water Activity	0.524	0.65	AW	0.0300	01/17/2019	Water Activity
Percent Moisture	13.7	15	%	0.10	01/18/2019	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

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Sample Name: Maui Wowie	Date Sampled: 01/16/19 12:25
Tested for: Western Oregon Botanicals	Date Accepted: 01/16/19
Compliance - Usable	
Laboratory ID: 19A0062-01	Strain: Maui Wowie
Matrix: Useable Marijuana	Sample Metrc ID: 1A40103000098BF000001376
Lot # 12/20 Harvest	Batch RFID: 1A40103000098BF000001373
	Batch Size: 3628 (g)

Terpene Analysis

Date Extracted: 01/18/19 Analysis Method/SOP: Potency
 Date Analyzed: 01/18/19

Analyte	Result (%)	LOQ	Analyte	Result	LOQ
alpha Pinene	0.042	0.019	Myrcene	0.176	0.019
alpha Phellandrene	< LOQ	0.019	3-Carene	< LOQ	0.019
alpha Terpinene	< LOQ	0.019	Limonene	0.426	0.019
Terpinolene	< LOQ	0.019	Linalool	0.193	0.019
Fenchol	0.057	0.019	Borneol	< LOQ	0.019
Terpineol	0.061	0.019	Geraniol	< LOQ	0.019
alpha Humulene	0.175	0.019	beta Caryophyllene	0.525	0.019
Caryophyllene Oxide	0.025	0.019	alpha Bisabolol	0.081	0.019
Camphene	< LOQ	0.019	beta Pinene	0.084	0.019
Ocimene	< LOQ	0.019	Sabinene	< LOQ	0.019
Camphor	0.019	0.019	Isoborneol	< LOQ	0.019
Menthol	< LOQ	0.019	alpha Cedrene	< LOQ	0.019
Nerolidol	0.024	0.019	R-(+)-Pulegone	< LOQ	0.019
Eucalyptol	< LOQ	0.019	p-Cymene	< LOQ	0.019
(-)-Isopulegol	< LOQ	0.019	Geranyl Acetate	< LOQ	0.019
Guaiol	0.020	0.019	Valencene	0.087	0.019
Phytol	0.064	0.019	Citronellol	< LOQ	0.019
gamma-Terpinene	< LOQ	0.019			
Total Terpenes				2.041 %	

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

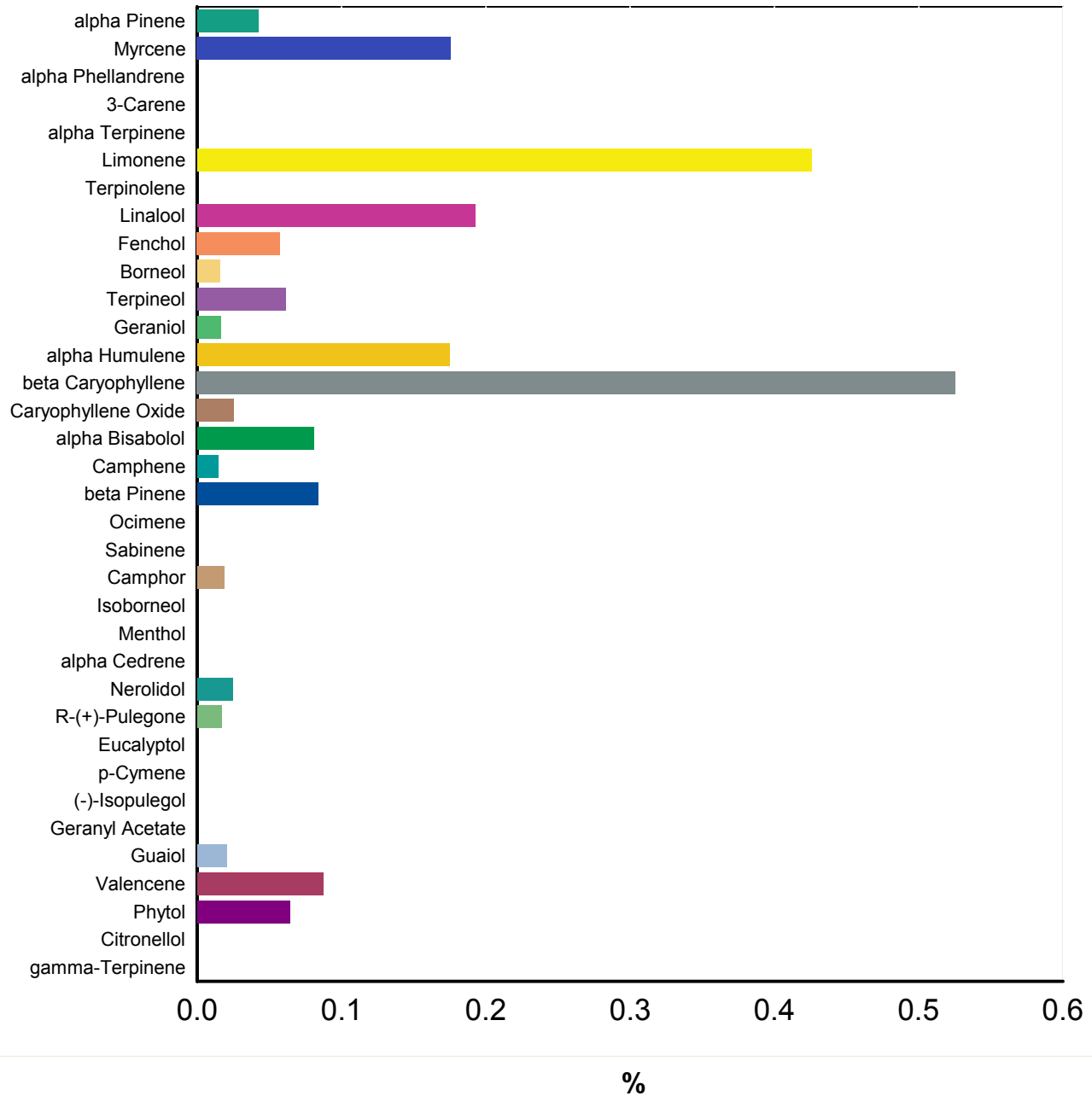


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Sample Name: Maui Wowie	Date Sampled: 01/16/19 12:25
Tested for: Western Oregon Botanicals	Date Accepted: 01/16/19 13:36
Compliance - Usable	
Laboratory ID: 19A0062-01	Matrix: Useable Marijuana
Client/Metric ID: 1A40103000098BF000001376	

Terpene Profile




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Sample Name: **Maui Wowie** Date Sampled: **01/16/19 12:25**
 Tested for: **Western Oregon Botanicals** Date Accepted: **01/16/19**
Compliance - Usable

Laboratory ID: **19A0062-01** Strain: **Maui Wowie** Sample Metrc ID: **1A40103000098BF000001376**
 Matrix: **Useable Marijuana** Batch RFID: **1A40103000098BF000001373**
 Lot # **12/20 Harvest** Batch Size: **3628 (g)**

Pesticide Analysis in ppm

Date Extracted: 01/17/19 Analysis Method/SOP: Pesticides
 Date Analyzed: 01/19/19 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	0.96	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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Case Narrative

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

**Quality Control
Potency**

Batch: B190080 - Potency/Terpenes

Blank(B190080-BLK1)			Extracted - 01/18/19 11:57 Analyzed - 01/18/19 14:01					
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(B190080-DUP1)			Extracted - 01/18/19 11:57 Analyzed - 01/18/19 14:09					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
d9-THC (d9-Tetrahydrocannabinol)	0.39	%		0.38			3.66	20
d8-THC (d8-Tetrahydrocannabinol)	< LOQ	%		< LOQ				20
CBD (Cannabidiol)	< LOQ	%		< LOQ				20
CBDA (Cannabidiolic Acid)	< LOQ	%		< LOQ				20
CBN (Cannabinol)	< LOQ	%		< LOQ				20
CBG (Cannabigerol)	0.06	%		0.06			3.04	20
CBGA (Cannabigerolic Acid)	0.85	%		1.04			20.3	20
CBDV (Cannabidivarin)	< LOQ	%		< LOQ				20
CBDVA (Cannabidivarinic Acid)	< LOQ	%		< LOQ				20
CBC (Cannabichromene)	< LOQ	%		< LOQ				20
THCV (Tetrahydrocannabivarin)	< LOQ	%		< LOQ				20

LCS(B190080-BS1)			Extracted - 01/18/19 11:57 Analyzed - 01/18/19 13:52					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
d9-THC (d9-Tetrahydrocannabinol)	0.05	%	0.0400		118	80-120		
THCA (d9-Tetrahydrocannabinolic Acid)	0.04	%	0.0400		106	80-120		



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**Quality Control
 Potency (Continued)**

Batch: B190080 - Potency/Terpenes (Continued)

LCS(B190080-BS1)		Extracted - 01/18/19 11:57 Analyzed - 01/18/19 13:52						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
CBD (Cannabidiol)	0.04	%	0.0400		101	80-120		
CBN (Cannabinol)	0.04	%	0.0400		92.9	80-120		



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Quality Control Pesticide Analysis

Batch: B190082 - Pesticide Prep

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank(B190082-BLK1)			Extracted - 01/17/19 12:59 Analyzed - 01/18/19 17:52					
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: B190082 - Pesticide Prep (Continued)

Blank(B190082-BLK1)			Extracted - 01/17/19 12:59 Analyzed - 01/18/19 17:52					
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(B190082-BS1)			Extracted - 01/17/19 12:59 Analyzed - 01/18/19 18:08					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin	1.03	ppm	0.980		105	29-150		
Acephate	0.89	ppm	1.00		89.4	48-133		
Acequinocyl	0.90	ppm	1.00		89.7	48-150		
Acetamiprid	0.99	ppm	1.00		99.1	45-150		
Aldicarb	1.06	ppm	1.00		106	58-134		
Azoxystrobin	1.03	ppm	1.00		103	25-150		
Bifenazate	0.89	ppm	1.00		89.0	46-141		
Bifenthrin	0.98	ppm	1.00		98.3	55-150		



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Quality Control

Pesticide Analysis (Continued)

Batch: B190082 - Pesticide Prep (Continued)

LCS(B190082-BS1)		Extracted - 01/17/19 12:59 Analyzed - 01/18/19 18:08						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Boscalid	1.07	ppm	1.00		107	34-141		
Carbaryl	0.98	ppm	1.00		97.9	67-125		
Carbofuran	0.99	ppm	1.00		98.8	71-128		
Chlorantraniliprole	0.99	ppm	1.00		98.6	43-138		
Chlorfenapyr	0.96	ppm	1.00		96.1	45-150		
Chlorpyrifos	0.95	ppm	1.00		95.2	36-150		
Clofentezine	0.81	ppm	1.00		80.7	59-135		
Cyfluthrin	0.89	ppm	1.00		88.7	33-150		
Cypermethrin	0.96	ppm	1.00		95.6	47-148		
Daminozide	0.57	ppm	1.00		57.4	18-116		
DDVP (Dichlorvos)	1.01	ppm	1.00		101	65-150		
Diazinon	0.83	ppm	1.00		83.1	60-130		
Dimethoate	0.94	ppm	1.00		94.1	65-131		
Ethoprophos	0.95	ppm	1.00		94.6	52-150		
Etofenprox	0.97	ppm	1.00		97.2	60-139		
Etoxazole	1.04	ppm	1.00		104	59-122		
Fenoxycarb	0.86	ppm	1.00		85.6	39-146		
Fenpyroximate	0.94	ppm	1.00		94.4	44-147		
Fipronil	0.96	ppm	1.00		95.5	40-143		
Flonicamid	0.96	ppm	1.00		96.2	50-142		
Fludioxonil	1.22	ppm	1.00		122	49-150		
Hexythiazox	1.00	ppm	1.00		99.7	41-142		
Imazalil	0.81	ppm	1.00		80.7	61-127		
Imidacloprid	0.85	ppm	1.00		84.7	36-150		
Kresoxim-methyl	0.80	ppm	1.00		80.4	53-131		
Malathion	0.92	ppm	1.00		92.2	55-134		
Metalaxyl	0.83	ppm	1.00		82.6	64-127		
Methiocarb	0.90	ppm	1.00		89.9	53-144		
Methomyl	0.86	ppm	1.00		85.5	47-141		
Methyl parathion	0.81	ppm	1.00		81.0	48-142		
MGK-264	0.52	ppm	0.630		81.8	38-150		
Myclobutanil	0.84	ppm	1.00		84.4	45-146		
Naled	0.78	ppm	1.00		78.2	28-113		
Oxamyl	0.91	ppm	1.00		91.5	48-133		
Paclobutrazol	0.88	ppm	1.00		88.2	37-150		



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Quality Control

Pesticide Analysis (Continued)

Batch: B190082 - Pesticide Prep (Continued)

LCS(B190082-BS1)		Extracted - 01/17/19 12:59 Analyzed - 01/18/19 18:08						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Permethrins (total)	1.08	ppm				46-150		
Phosmet	0.90	ppm	1.00		89.8	48-137		
Piperonyl butoxide	1.05	ppm	1.00		105	43-142		
Prallethrin	0.84	ppm	1.00		84.2	48-144		
Propiconazole	0.92	ppm	1.00		92.4	52-136		
Propoxur	0.97	ppm	1.00		96.9	61-131		
Pyrethrins (total)	0.67	ppm				24-150		
Pyridaben	0.98	ppm	1.00		97.7	40-150		
Spinosad	0.65	ppm	0.820		79.0	42-148		
Spiromesifen	0.76	ppm	1.00		76.5	38-150		
Spirotetramat	0.94	ppm	1.00		94.3	37-132		
Spiroxamine	0.51	ppm	0.550		92.5	49-136		
Tebuconazole	0.78	ppm	1.00		77.7	46-142		
Thiacloprid	0.91	ppm	1.00		90.6	48-150		
Thiamethoxam	0.84	ppm	1.00		83.6	46-138		
Trifloxystrobin	0.94	ppm	1.00		93.5	44-144		

Matrix Spike(B190082-MS1)		Extracted - 01/17/19 12:59 Analyzed - 01/18/19 18:24						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin	2.27	ppm	1.78	< LOQ	127	15-150		
Acephate	1.58	ppm	1.82	< LOQ	87.2	45-130		
Acequinocyl	1.00	ppm	1.82	< LOQ	55.3	31-146		
Acetamiprid	1.84	ppm	1.82	< LOQ	102	39-150		
Aldicarb	1.88	ppm	1.82	< LOQ	103	47-143		
Azoxystrobin	1.77	ppm	1.82	< LOQ	97.5	21-150		
Bifenazate	1.59	ppm	1.82	< LOQ	87.5	31-150		
Bifenthrin	1.64	ppm	1.82	< LOQ	90.3	23-132		
Boscalid	2.04	ppm	1.82	< LOQ	112	41-141		
Carbaryl	1.68	ppm	1.82	< LOQ	92.7	60-125		
Carbofuran	1.81	ppm	1.82	< LOQ	99.7	57-136		
Chlorantraniliprole	1.79	ppm	1.82	< LOQ	98.4	32-145		
Chlorfenapyr	1.82	ppm	1.82	< LOQ	100	29-150		
Chlorpyrifos	1.75	ppm	1.82	< LOQ	96.3	29-146		
Clofentezine	1.35	ppm	1.82	< LOQ	74.6	48-128		
Cyfluthrin	1.86	ppm	1.82	< LOQ	102	16-150		



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Quality Control

Pesticide Analysis (Continued)

Batch: B190082 - Pesticide Prep (Continued)

Matrix Spike(B190082-MS1)			Extracted - 01/17/19 12:59 Analyzed - 01/18/19 18:24					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cypermethrin	1.81	ppm	1.82	< LOQ	99.9	22-150		
Daminozide	1.33	ppm	1.82	< LOQ	73.3	34-150		
DDVP (Dichlorvos)	1.78	ppm	1.82	< LOQ	98.2	55-133		
Diazinon	1.42	ppm	1.82	< LOQ	78.4	54-126		
Dimethoate	1.69	ppm	1.82	< LOQ	93.3	60-129		
Ethoprophos	1.63	ppm	1.82	< LOQ	89.8	40-150		
Etofenprox	1.72	ppm	1.82	< LOQ	94.6	25-135		
Etoxazole	1.71	ppm	1.82	< LOQ	93.9	26-149		
Fenoxycarb	1.52	ppm	1.82	< LOQ	83.9	37-145		
Fenpyroximate	2.21	ppm	1.82	< LOQ	122	27-150		
Fipronil	1.54	ppm	1.82	< LOQ	84.7	27-150		
Flonicamid	1.73	ppm	1.82	< LOQ	95.4	46-139		
Fludioxonil	1.70	ppm	1.82	< LOQ	93.7	31-150		
Hexythiazox	1.95	ppm	1.82	< LOQ	107	32-150		
Imazalil	1.42	ppm	1.82	< LOQ	78.1	44-142		
Imidacloprid	1.66	ppm	1.82	< LOQ	91.2	23-150		
Kresoxim-methyl	1.44	ppm	1.82	< LOQ	79.3	49-130		
Malathion	1.66	ppm	1.82	< LOQ	91.3	25-150		
Metalaxyl	1.50	ppm	1.82	< LOQ	82.6	49-141		
Methiocarb	1.59	ppm	1.82	< LOQ	87.3	44-146		
Methomyl	1.53	ppm	1.82	< LOQ	84.1	44-136		
Methyl parathion	1.54	ppm	1.82	< LOQ	84.6	15-150		
MGK-264	0.83	ppm	1.14	< LOQ	73.0	22-150		
Myclobutanil	1.50	ppm	1.82	< LOQ	82.5	34-150		
Naled	1.64	ppm	1.82	< LOQ	90.1	38-142		
Oxamyl	1.65	ppm	1.82	< LOQ	91.0	40-132		
Paclobutrazol	1.49	ppm	1.82	< LOQ	82.2	29-147		
Permethrins (total)	1.47	ppm		< LOQ		27-104		
Phosmet	1.57	ppm	1.82	< LOQ	86.5	35-150		
Piperonyl butoxide	1.77	ppm	1.82	< LOQ	97.5	34-143		
Prallethrin	1.53	ppm	1.82	< LOQ	84.4	33-150		
Propiconazole	1.67	ppm	1.82	< LOQ	91.9	46-138		
Propoxur	1.74	ppm	1.82	< LOQ	95.7	50-138		
Pyrethrins (total)	1.31	ppm		< LOQ		21-150		
Pyridaben	1.50	ppm	1.82	< LOQ	82.5	39-150		



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Lab Director

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Quality Control

Pesticide Analysis (Continued)

Batch: B190082 - Pesticide Prep (Continued)

Matrix Spike(B190082-MS1)			Extracted - 01/17/19 12:59 Analyzed - 01/18/19 18:24					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Spinosad	1.11	ppm	1.49	< LOQ	74.4	31-150		
Spiromesifen	1.34	ppm	1.82	< LOQ	74.1	27-141		
Spirotetramat	1.97	ppm	1.82	< LOQ	109	31-141		
Spiroxamine	0.94	ppm	0.999	< LOQ	94.3	57-139		
Tebuconazole	1.34	ppm	1.82	< LOQ	73.8	32-140		
Thiacloprid	1.67	ppm	1.82	< LOQ	92.1	45-150		
Thiamethoxam	1.55	ppm	1.82	< LOQ	85.3	40-141		
Trifloxystrobin	1.62	ppm	1.82	< LOQ	89.2	30-137		

Matrix Spike Dup(B190082-MSD1)			Extracted - 01/17/19 12:59 Analyzed - 01/18/19					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin	2.69	ppm	1.95	< LOQ	138	15-150	7.85	40
Acephate	1.69	ppm	1.99	< LOQ	84.8	45-130	2.80	26
Acequinocyl	1.28	ppm	1.99	< LOQ	64.1	31-146	14.8	50
Acetamiprid	1.88	ppm	1.99	< LOQ	94.2	39-150	7.56	21
Aldicarb	1.98	ppm	1.99	< LOQ	99.4	47-143	3.78	30
Azoxystrobin	1.93	ppm	1.99	< LOQ	96.7	21-150	0.826	21
Bifenazate	1.70	ppm	1.99	< LOQ	85.3	31-150	2.54	20
Bifenthrin	1.78	ppm	1.99	< LOQ	89.4	23-132	0.951	30
Boscalid	2.18	ppm	1.99	< LOQ	110	41-141	2.62	20
Carbaryl	1.91	ppm	1.99	< LOQ	95.7	60-125	3.21	20
Carbofuran	1.84	ppm	1.99	< LOQ	92.2	57-136	7.79	24
Chlorantraniliprole	1.95	ppm	1.99	< LOQ	97.6	32-145	0.802	20
Chlorfenapyr	2.05	ppm	1.99	< LOQ	103	29-150	2.59	50
Chlorpyrifos	1.91	ppm	1.99	< LOQ	95.7	29-146	0.662	24
Clofentezine	1.45	ppm	1.99	< LOQ	72.5	48-128	2.78	20
Cyfluthrin	2.19	ppm	1.99	< LOQ	110	16-150	7.17	50
Cypermethrin	1.93	ppm	1.99	< LOQ	97.0	22-150	2.94	30
Daminozide	1.41	ppm	1.99	< LOQ	70.8	34-150	3.51	30
DDVP (Dichlorvos)	1.83	ppm	1.99	< LOQ	91.7	55-133	6.82	30
Diazinon	1.55	ppm	1.99	< LOQ	77.9	54-126	0.631	20
Dimethoate	1.81	ppm	1.99	< LOQ	90.8	60-129	2.77	20
Ethoprophos	1.76	ppm	1.99	< LOQ	88.1	40-150	1.95	29
Etofenprox	1.87	ppm	1.99	< LOQ	93.9	25-135	0.779	24
Etoxazole	1.84	ppm	1.99	< LOQ	92.2	26-149	1.84	30



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Quality Control Pesticide Analysis (Continued)

Batch: B190082 - Pesticide Prep (Continued)

Matrix Spike Dup(B190082-MSD1)			Extracted - 01/17/19 12:59 Analyzed - 01/18/19					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Fenoxycarb	1.62	ppm	1.99	< LOQ	81.2	37-145	3.17	23
Fenpyroximate	2.38	ppm	1.99	< LOQ	119	27-150	2.15	20
Fipronil	1.65	ppm	1.99	< LOQ	82.5	27-150	2.60	28
Flonicamid	1.82	ppm	1.99	< LOQ	91.4	46-139	4.23	29
Fludioxonil	1.94	ppm	1.99	< LOQ	97.5	31-150	3.93	30
Hexythiazox	2.19	ppm	1.99	< LOQ	110	32-150	2.42	28
Imazalil	1.49	ppm	1.99	< LOQ	74.6	44-142	4.51	25
Imidacloprid	1.63	ppm	1.99	< LOQ	81.8	23-150	10.9	30
Kresoxim-methyl	1.56	ppm	1.99	< LOQ	78.2	49-130	1.44	20
Malathion	1.78	ppm	1.99	< LOQ	89.1	25-150	2.43	21
Metalaxyl	1.59	ppm	1.99	< LOQ	79.7	49-141	3.59	20
Methiocarb	1.73	ppm	1.99	< LOQ	86.9	44-146	0.487	20
Methomyl	1.59	ppm	1.99	< LOQ	79.9	44-136	5.11	30
Methyl parathion	1.56	ppm	1.99	< LOQ	78.0	15-150	8.08	50
MGK-264	0.91	ppm	1.26	< LOQ	72.2	22-150	1.06	24
Myclobutanil	1.58	ppm	1.99	< LOQ	79.1	34-150	4.18	23
Naled	1.73	ppm	1.99	< LOQ	87.0	38-142	3.48	25
Oxamyl	1.73	ppm	1.99	< LOQ	86.7	40-132	4.77	30
Paclobutrazol	1.63	ppm	1.99	< LOQ	81.8	29-147	0.497	20
Permethrins (total)	1.63	ppm		< LOQ		27-104		30
Phosmet	1.70	ppm	1.99	< LOQ	85.2	35-150	1.45	20
Piperonyl butoxide	1.94	ppm	1.99	< LOQ	97.4	34-143	0.169	21
Prallethrin	1.66	ppm	1.99	< LOQ	83.1	33-150	1.59	25
Propiconazole	1.79	ppm	1.99	< LOQ	89.7	46-138	2.34	20
Propoxur	1.81	ppm	1.99	< LOQ	90.6	50-138	5.49	28
Pyrethrins (total)	1.42	ppm		< LOQ		21-150		28
Pyridaben	1.64	ppm	1.99	< LOQ	82.1	39-150	0.521	23
Spinosad	1.21	ppm	1.64	< LOQ	74.2	31-150	0.204	30
Spiromesifen	1.43	ppm	1.99	< LOQ	71.8	27-141	3.10	30
Spirotetramat	2.09	ppm	1.99	< LOQ	105	31-141	3.62	25
Spiroxamine	1.00	ppm	1.10	< LOQ	90.8	57-139	3.71	20
Tebuconazole	1.44	ppm	1.99	< LOQ	72.4	32-140	1.82	20
Thiacloprid	1.68	ppm	1.99	< LOQ	84.4	45-150	8.74	21
Thiamethoxam	1.60	ppm	1.99	< LOQ	80.3	40-141	6.04	30
Trifloxystrobin	1.77	ppm	1.99	< LOQ	88.6	30-137	0.712	29



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Quality Control Terpene Analysis

Batch: B190081 - Potency/Terpenes

Blank(B190081-BLK1)			Extracted - 01/18/19 11:57 Analyzed - 01/18/19 13:22					
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	0.196	%						
Citronellol	< LOQ	%						
gamma-Terpinene	< LOQ	%						



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Quality Control

Terpene Analysis (Continued)

Batch: B190081 - Potency/Terpenes (Continued)

Duplicate(B190081-DUP1)			Extracted - 01/18/19 11:57 Analyzed - 01/18/19 13:22					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
alpha Ocimene	< LOQ	%		< LOQ				20
alpha Terpineol	< LOQ	%		< LOQ				20
beta Ocimene	0.032	%		0.034			8.57	20
beta Terpineol	< LOQ	%		< LOQ				20
cis-Nerolidol	< LOQ	%		< LOQ				20
Phytol 1	< LOQ	%		< LOQ				20
Phytol 2	0.042	%		0.053			23.8	20
trans-Nerolidol	< LOQ	%		< LOQ				20
alpha Pinene	0.091	%		0.099			9.02	20
Myrcene	0.721	%		0.737			2.24	20
alpha Phellandrene	< LOQ	%		< LOQ				20
3-Carene	< LOQ	%		< LOQ				20
alpha Terpinene	< LOQ	%		< LOQ				20
Limonene	0.072	%		0.074			1.93	20
Terpinolene	< LOQ	%		< LOQ				20
Linalool	< LOQ	%		< LOQ				20
Fenchol	< LOQ	%		< LOQ				20
Borneol	< LOQ	%		< LOQ				20
Terpineol	< LOQ	%		< LOQ				20
Geraniol	< LOQ	%		0.034				20
alpha Humulene	0.199	%		0.203			2.18	20
beta Caryophyllene	0.503	%		0.513			1.92	20
Caryophyllene Oxide	0.030	%		0.030			0.556	20
alpha Bisabolol	0.057	%		0.055			4.03	20
Camphene	< LOQ	%		< LOQ				20
beta Pinene	0.050	%		0.055			9.53	20
Ocimene	0.032	%		0.034			8.57	20
Sabinene	< LOQ	%		< LOQ				20
Camphor	< LOQ	%		< LOQ				20
Isoborneol	< LOQ	%		< LOQ				20
Menthol	< LOQ	%		< LOQ				20
alpha Cedrene	< LOQ	%		< LOQ				20
Nerolidol	< LOQ	%		< LOQ				20
R-(+)-Pulegone	< LOQ	%		< LOQ				20
Eucalyptol	< LOQ	%		< LOQ				20



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Quality Control

Terpene Analysis (Continued)

Batch: B190081 - Potency/Terpenes (Continued)

Duplicate(B190081-DUP1)			Extracted - 01/18/19 11:57 Analyzed - 01/18/19 13:22					
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	< LOQ	%		0.020				20
Valencene	0.044	%		0.059			28.4	20
Phytol	0.042	%		0.053			23.8	20
Citronellol	< LOQ	%		< LOQ				20
gamma-Terpinene	< LOQ	%		< LOQ				20

Batch: B190083 - Gravimetric

Duplicate(B190083-DUP1)			Extracted - 01/18/19 11:00 Analyzed - 01/18/19 11:00					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Percent Moisture	13.5	%		13.3			1.40	20

Batch: B190084 - Water Activity

Duplicate(B190084-DUP1)			Extracted - 01/17/19 16:16 Analyzed - 01/17/19 16:16					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Water Activity	0.583	AW		0.572			1.82	20



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**OREGON LIQUOR CONTROL COMMISSION
CANNABIS TRANSPORTATION MANIFEST**



19A0062

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.:	0001245017	Date Created:	1/16/2019 12:29 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: 707-331-0560			
Destination # 1	SC Laboratories	Destination Phone No.:	707-339-0050
Destination License Number:	010-1004748743D	Date and Approx. Time of Departure:	1/16/2019 12:45 PM
Address of Destination:	15865 SW 74th Avenue Ste 110 Tigard, OR 97224	Date and Approx. Time of Arrival:	1/16/2019 3:00 PM
		Date/Time Received:	1-16-19 13:36
		Notes: details for extenuating circumstances (e.g., road closure, flat tire, etc.)	
Route to be Traveled: Google Maps			
Name of Person Transporting:	Scott Forster	Handler Permit No. of Driver:	N/A
State Driver's License No.:	a625521	Signature of Person Transporting:	
Make, Model, License Plate No.: Nissan NV200 825KAT			
Package # 1	Production Batch No.	Item Name	Quantity
1A40103000098BF000001376 Lab Test: SubmittedForTesting Status: Shipped		Maui Wowie (Buds (by strain))	Shp: 19.2700 g
Harvests:	12/20 Maui		
PRODUCT REJECTION (if only a portion of shipment is rejected, circle that portion above)			
Name of Person Receiving or Rejecting Product:	Angelica Serr		
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 <i>not</i> circled above. Those portions circled were returned to the individual delivering this shipment.			
Signature:		Date:	1-16-19
Signature of individual taking receipt of rejected portion of this shipment:			

Client: Western Oregon Botanicals **Client License:** 02010021071d94 **Date:** 1/16/2019 **Thermometer ID:** T014
Location: 18270 SW Benton Rd Sherwood OR **Requestor:** Abdullah Naimi **Event ID:** 19A0062 **Balance ID:** SAMP_BAL_02
Sampling SOP: SC-OR-SAMP-003 **Sampler:** Scott Forster **Transporter:** Scott Forster **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%	199.98		199.98	

Container Type	METRC Harvest/Processing Lot ID #:				Product Type	Client Sample Name	Product Date	Batch Size (g)
Storage Bin	122018				Usable Marijuana	Maui Wowie	12/20/2018	3628
METRC Batch ID	Product Temp (°C)	Humidity (%)	# of Containers	Sample Media	# Zones	# of Inc.	1" Sample Size (g)	Sample Name
1373	13.9	44.3	2	Mylar Bag	4	8	2.4	Maui Wowie Primary
Lab Sample ID	Container ID		Increment Zone	Sampling Media Wt. (g)	Wt. Inc+Media (g)	Increment Weight (g)	Sample METRC ID#	
19A0062-01	Maui Wowie-1		A3	0	2.4	2.4	1376	
19A0062-01	Maui Wowie-1		A4	2.4	4.8	2.4	1376	
19A0062-01	Maui Wowie-2		B1	4.8	7.2	2.4	1376	
19A0062-01	Maui Wowie-2		B2	7.2	9.6	2.4	1376	
19A0062-01	Maui Wowie-2		B2	9.6	12	2.4	1376	
19A0062-01	Maui Wowie-2		B3	12	14.4	2.4	1376	
19A0062-01	Maui Wowie-2		B4	14.4	16.8	2.4	1376	
19A0062-01	Maui Wowie-2		B4	16.8	19.27	2.47	1376	
Minimum Sample Size = 18.1g (Usable Marijuana Only)					Total Sample Mass = 19.27			
Observations and Abnormalities:	Batch #	Marks/Labels	Cont. Types/Sizes	Uniform	Plant Colors	Shape and Size	Sampling Plan	

