

Sample Name: **Cactus CO2 Oil Primary**  
 Tested for: **OM Extracts**  
**Compliance Concentrate**

Laboratory ID: 18F0049-01

Matrix: Extracts and Concentrates

Sample Metrc ID: 1A4010300014ADD000003491

Lot # NA

Date Sampled: 06/21/18 00:00

Batch RFID: 1A4010300014ADD000003490

Date Accepted: 06/21/18

Batch Size: 2724 (g)

Results Valid Until: 06/21/19



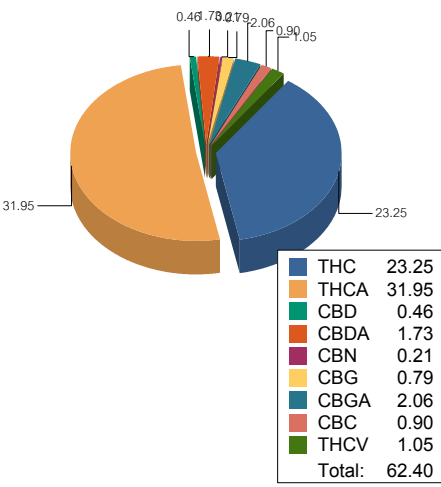
## Potency Analysis

Date Extracted: 06/25/18

Analysis Method/SOP: Potency

Date Analyzed: 06/25/18

\* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	Cannabinoids Profile																				
<b>Total THC</b> ((THCA*0.877)+d9)	51.26	512.6	 <table border="1"> <tr><td>THC</td><td>23.25</td></tr> <tr><td>THCA</td><td>31.95</td></tr> <tr><td>CBD</td><td>0.46</td></tr> <tr><td>CBDA</td><td>1.73</td></tr> <tr><td>CBN</td><td>0.21</td></tr> <tr><td>CBG</td><td>0.79</td></tr> <tr><td>CBGA</td><td>2.06</td></tr> <tr><td>CBC</td><td>0.90</td></tr> <tr><td>THCV</td><td>1.05</td></tr> <tr><td><b>Total</b></td><td><b>62.40</b></td></tr> </table>	THC	23.25	THCA	31.95	CBD	0.46	CBDA	1.73	CBN	0.21	CBG	0.79	CBGA	2.06	CBC	0.90	THCV	1.05	<b>Total</b>	<b>62.40</b>
THC	23.25																						
THCA	31.95																						
CBD	0.46																						
CBDA	1.73																						
CBN	0.21																						
CBG	0.79																						
CBGA	2.06																						
CBC	0.90																						
THCV	1.05																						
<b>Total</b>	<b>62.40</b>																						
<b>Total CBD</b> ((CBDA*0.877)+CBD)	1.98	19.8																					
d9-THC (d9-Tetrahydrocannabinol)*	23.25	232.5																					
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ																					
THCA (d9-Tetrahydrocannabinolic Acid)*	31.95	319.5																					
CBD (Cannabidiol)*	0.46	4.6																					
CBDA (Cannabidiolic Acid)*	1.73	17.3																					
CBN (Cannabinol)*	0.21	2.1																					
CBG (Cannabigerol)*	0.79	7.9																					
CBGA (Cannabigerolic Acid)	2.06	20.6																					
CBDV (Cannabidivarin)*	< LOQ	< LOQ																					
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ																					
CBC (Cannabichromene)*	0.90	9																					
THCV (Tetrahydrocannabivarin)	1.05	10.5																					
<b>Total Cannabinoids</b>	<b>62.40</b>	<b>624</b>																					

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



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

Sample Name: **Cactus CO2 Oil Duplicate**  
 Tested for: **OM Extracts**  
**Compliance Concentrate**

Laboratory ID: 18F0049-02

Matrix: Extracts and Concentrates

Sample Metrc ID: 1A4010300014ADD000003491

Lot # NA

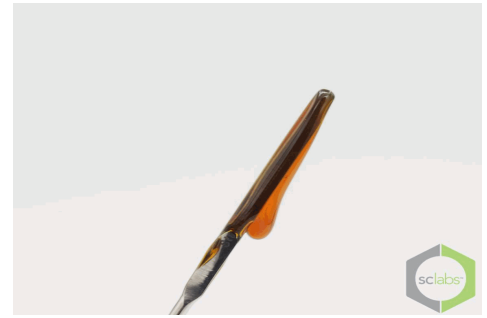
Date Sampled: 06/21/18 00:00

Batch RFID: 1A4010300014ADD000003490

Date Accepted: 06/21/18

Batch Size: 2724 (g)

Results Valid Until: 06/21/19



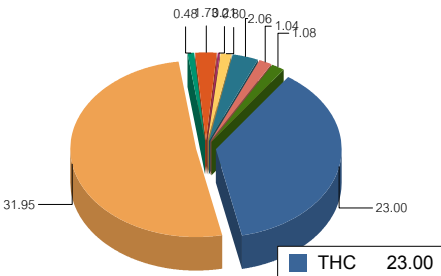
## Potency Analysis

Date Extracted: 06/25/18

Analysis Method/SOP: Potency

Date Analyzed: 06/25/18

\* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	Cannabinoids Profile																				
<b>Total THC</b> ((THCA*0.877)+d9)	51.02	510.2	 <table border="1"> <tr><td>THC</td><td>23.00</td></tr> <tr><td>THCA</td><td>31.95</td></tr> <tr><td>CBD</td><td>0.48</td></tr> <tr><td>CBDA</td><td>1.73</td></tr> <tr><td>CBN</td><td>0.21</td></tr> <tr><td>CBG</td><td>0.80</td></tr> <tr><td>CBGA</td><td>2.06</td></tr> <tr><td>CBC</td><td>1.04</td></tr> <tr><td>THCV</td><td>1.08</td></tr> <tr><td><b>Total</b></td><td><b>62.34</b></td></tr> </table>	THC	23.00	THCA	31.95	CBD	0.48	CBDA	1.73	CBN	0.21	CBG	0.80	CBGA	2.06	CBC	1.04	THCV	1.08	<b>Total</b>	<b>62.34</b>
THC	23.00																						
THCA	31.95																						
CBD	0.48																						
CBDA	1.73																						
CBN	0.21																						
CBG	0.80																						
CBGA	2.06																						
CBC	1.04																						
THCV	1.08																						
<b>Total</b>	<b>62.34</b>																						
<b>Total CBD</b> ((CBDA*0.877)+CBD)	2.00	20																					
d9-THC (d9-Tetrahydrocannabinol)*	23.00	230																					
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ																					
THCA (d9-Tetrahydrocannabinolic Acid)*	31.95	319.5																					
CBD (Cannabidiol)*	0.48	4.8																					
CBDA (Cannabidiolic Acid)*	1.73	17.3																					
CBN (Cannabinol)*	0.21	2.1																					
CBG (Cannabigerol)*	0.80	8																					
CBGA (Cannabigerolic Acid)	2.06	20.6																					
CBDV (Cannabidivarin)*	< LOQ	< LOQ																					
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ																					
CBC (Cannabichromene)*	1.04	10.4																					
THCV (Tetrahydrocannabivarin)	1.08	10.8																					
<b>Total Cannabinoids</b>	<b>62.34</b>	<b>623.4</b>																					

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

Sample Name: **Cactus CO2 Oil**

Sample Metrc ID: 1A4010300014ADD000003491

	Primary Result	Duplicate Result	Average	% RPD	Pass/Fail (<20%RPD)
	%	%	%		
<b>Total THC</b> ((THCA*0.877)+d9)	51.26	51.02	51.14	0.469	PASS

  
 Brian Weigel  
 Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

<b>Sample Name:</b> Cactus CO2 Oil Primary	<b>Date Sampled:</b> 06/21/18 00:00
<b>Tested for:</b> OM Extracts Compliance Concentrate	<b>Date Accepted:</b> 06/21/18
<b>Laboratory ID:</b> 18F0049-01	<b>Results Valid Until:</b> 06/21/19
<b>Matrix:</b> Extracts and Concentrates	<b>Sample Metrc ID:</b> 1A4010300014ADD000003491
<b>Lot # NA</b>	<b>Batch RFID:</b> 1A4010300014ADD000003490
	<b>Batch Size:</b> 2724 (g)

### Terpene Analysis

Date Extracted: 06/25/18 Analysis Method/SOP: Terpenes  
 Date Analyzed: 06/26/18

Analyte	Result (%)	LOQ	Analyte	Result	LOQ
alpha Pinene	< LOQ	0.095	Myrcene	0.167	0.095
alpha Phellandrene	< LOQ	0.095	3-Carene	< LOQ	0.095
alpha Terpinene	< LOQ	0.095	Limonene	0.119	0.095
Terpinolene	0.863	0.095	Linalool	< LOQ	0.095
Fenchol	< LOQ	0.095	Borneol	< LOQ	0.095
Terpineol	0.135	0.095	Geraniol	< LOQ	0.095
alpha Humulene	0.636	0.095	beta Caryophyllene	1.529	0.095
Caryophyllene Oxide	0.280	0.095	alpha Bisabolol	0.444	0.095
Camphene	< LOQ	0.095	beta Pinene	< LOQ	0.095
Ocimene	0.110	0.095	Sabinene	< LOQ	0.095
Camphor	< LOQ	0.095	Isoborneol	< LOQ	0.095
Menthol	< LOQ	0.095	alpha Cedrene	< LOQ	0.095
Nerolidol	0.274	0.095	R-(+)-Pulegone	< LOQ	0.095
Eucalyptol	< LOQ	0.095	p-Cymene	< LOQ	0.095
(-)-Isopulegol	< LOQ	0.095	Geranyl Acetate	< LOQ	0.095
Guaiol	0.357	0.095	Valencene	0.481	0.095
Phytol	0.365	0.095	Citronellol	< LOQ	0.095
gamma-Terpinene	< LOQ	0.095			
			<b>Total Terpenes</b>	<b>5.760 %</b>	

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



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

Sample Name: **Cactus CO2 Oil Prima**

Date Sampled: **06/21/18 00:00**

Tested for: **OM Extracts**

Date Accepted: **06/21/18 16:13**

**Compliance Concentrate**

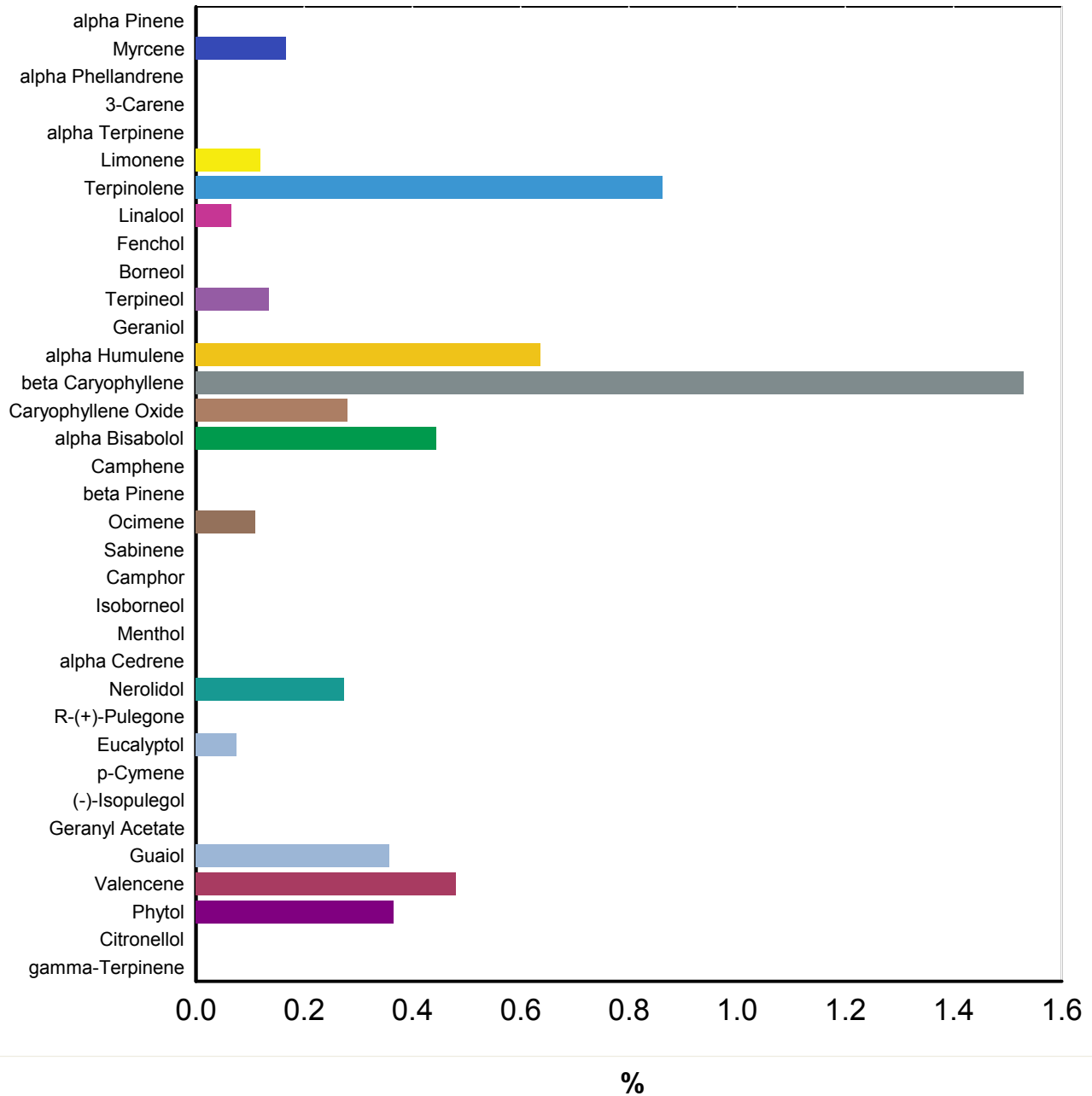
Results Valid Until: **06/21/19**

Laboratory ID: **18F0049-01**

Matrix: **Extracts and**

Client/Metric ID: **1A4010300014ADD000003491**

**Terpene Profile**




Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

Sample Name: **Cactus CO2 Oil Primary** Date Sampled: **06/21/18 00:00**  
 Tested for: **OM Extracts** Date Accepted: **06/21/18**  
**Compliance Concentrate** Results Valid Until: **06/21/19**

Laboratory ID: **18F0049-01** Sample Metrc ID: **1A4010300014ADD000003491**  
 Matrix: **Extracts and Concentrates** Batch RFID: **1A4010300014ADD000003490**  
 Lot # **NA** Batch Size: **2724 (g)**

## Pesticide Analysis in ppm

Date Extracted: 06/25/18 Analysis Method/SOP: Pesticides  
 Date Analyzed: 06/26/18 Results above the action levels are highlighted in red #.

Analyte	Result	Action Level	LOQ	Analyte	Result	Action Level	LOQ
Abamectin	< LOQ	0.5	0.241	Acephate	< LOQ	0.4	0.193
Acequinocyl	< LOQ	2	0.966	Acetamiprid	< LOQ	0.2	0.097
Aldicarb	< LOQ	0.4	0.193	Azoxystrobin	< LOQ	0.2	0.097
Bifenazate	< LOQ	0.2	0.097	Bifenthrin	< LOQ	0.2	0.097
Boscalid	< LOQ	0.4	0.193	Carbaryl	< LOQ	0.2	0.097
Carbofuran	< LOQ	0.2	0.097	Chlorantraniliprole	< LOQ	0.2	0.097
Chlorfenapyr	< LOQ	1	0.483	Chlorpyrifos	< LOQ	0.2	0.097
Clofentezine	< LOQ	0.2	0.097	Cyfluthrin	< LOQ	1	0.483
Cypermethrin	< LOQ	1	0.483	Daminozide	< LOQ	1	0.483
DDVP (Dichlorvos)	< LOQ	1	0.483	Diazinon	< LOQ	0.2	0.097
Dimethoate	< LOQ	0.2	0.097	Ethoprophos	< LOQ	0.2	0.097
Etofenprox	< LOQ	0.4	0.193	Etoxazole	< LOQ	0.2	0.097
Fenoxycarb	< LOQ	0.2	0.097	Fenpyroximate	< LOQ	0.4	0.193
Fipronil	< LOQ	0.4	0.193	Fonicamid	< LOQ	1	0.483
Fludioxonil	< LOQ	0.4	0.193	Hexythiazox	< LOQ	1	0.483
Imazalil	< LOQ	0.2	0.097	Imidacloprid	< LOQ	0.4	0.193
Kresoxim-methyl	< LOQ	0.4	0.193	Malathion	< LOQ	0.2	0.097
Metalaxyl	< LOQ	0.2	0.097	Methiocarb	< LOQ	0.2	0.097
Methomyl	< LOQ	0.4	0.193	Methyl parathion	< LOQ	0.2	0.097
MGK-264	< LOQ	0.2	0.097	Myclobutanil	< LOQ	0.2	0.097
Naled	< LOQ	0.5	0.241	Oxamyl	< LOQ	1	0.483
Paclobutrazol	< LOQ	0.4	0.193	Permethrins (total)	< LOQ	0.2	0.097
Phosmet	< LOQ	0.2	0.097	Piperonyl butoxide	< LOQ	2	0.483
Prallethrin	< LOQ	0.2	0.097	Propiconazole	< LOQ	0.4	0.193
Propoxur	< LOQ	0.2	0.097	Pyrethrins (total)	< LOQ	1	0.483
Pyridaben	< LOQ	0.2	0.097	Spinosad	< LOQ	0.2	0.097
Spiromesifen	< LOQ	0.2	0.097	Spirotetramat	< LOQ	0.2	0.097
Spiroxamine	< LOQ	0.4	0.193	Tebuconazole	< LOQ	0.4	0.193
Thiacloprid	< LOQ	0.2	0.097	Thiamethoxam	< LOQ	0.2	0.097
Trifloxystrobin	< LOQ	0.2	0.097				

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



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

Sample Name: **Cactus CO2 Oil Duplicate** Date Sampled: **06/21/18 00:00**  
 Tested for: **OM Extracts** Date Accepted: **06/21/18**  
**Compliance Concentrate** Results Valid Until: **06/21/19**

Laboratory ID: **18F0049-02** Sample Metrc ID: **1A4010300014ADD000003491**  
 Matrix: **Extracts and Concentrates** Batch RFID: **1A4010300014ADD000003490**  
 Lot # **NA** Batch Size: **2724 (g)**

## Pesticide Analysis in ppm

Date Extracted: 06/25/18 Analysis Method/SOP: Pesticides  
 Date Analyzed: 06/26/18 Results above the action levels are highlighted in red #.

Analyte	Result	Action Level	LOQ	Analyte	Result	Action Level	LOQ
Abamectin	< LOQ	0.5	0.227	Acephate	< LOQ	0.4	0.182
Acequinocyl	< LOQ	2	0.909	Acetamiprid	< LOQ	0.2	0.091
Aldicarb	< LOQ	0.4	0.182	Azoxystrobin	< LOQ	0.2	0.091
Bifenazate	< LOQ	0.2	0.091	Bifenthrin	< LOQ	0.2	0.091
Boscalid	< LOQ	0.4	0.182	Carbaryl	< LOQ	0.2	0.091
Carbofuran	< LOQ	0.2	0.091	Chlorantraniliprole	< LOQ	0.2	0.091
Chlorfenapyr	< LOQ	1	0.455	Chlorpyrifos	< LOQ	0.2	0.091
Clofentezine	< LOQ	0.2	0.091	Cyfluthrin	< LOQ	1	0.455
Cypermethrin	< LOQ	1	0.455	Daminozide	< LOQ	1	0.455
DDVP (Dichlorvos)	< LOQ	1	0.455	Diazinon	< LOQ	0.2	0.091
Dimethoate	< LOQ	0.2	0.091	Ethoprophos	< LOQ	0.2	0.091
Etofenprox	< LOQ	0.4	0.182	Etoxazole	< LOQ	0.2	0.091
Fenoxycarb	< LOQ	0.2	0.091	Fenpyroximate	< LOQ	0.4	0.182
Fipronil	< LOQ	0.4	0.182	Fonicamid	< LOQ	1	0.455
Fludioxonil	< LOQ	0.4	0.182	Hexythiazox	< LOQ	1	0.455
Imazalil	< LOQ	0.2	0.091	Imidacloprid	< LOQ	0.4	0.182
Kresoxim-methyl	< LOQ	0.4	0.182	Malathion	< LOQ	0.2	0.091
Metalaxyl	< LOQ	0.2	0.091	Methiocarb	< LOQ	0.2	0.091
Methomyl	< LOQ	0.4	0.182	Methyl parathion	< LOQ	0.2	0.091
MGK-264	< LOQ	0.2	0.091	Myclobutanil	< LOQ	0.2	0.091
Naled	< LOQ	0.5	0.227	Oxamyl	< LOQ	1	0.455
Paclobutrazol	< LOQ	0.4	0.182	Permethrins (total)	< LOQ	0.2	0.091
Phosmet	< LOQ	0.2	0.091	Piperonyl butoxide	< LOQ	2	0.455
Prallethrin	< LOQ	0.2	0.091	Propiconazole	< LOQ	0.4	0.182
Propoxur	< LOQ	0.2	0.091	Pyrethrins (total)	< LOQ	1	0.455
Pyridaben	< LOQ	0.2	0.091	Spinosad	< LOQ	0.2	0.091
Spiromesifen	< LOQ	0.2	0.091	Spirotetramat	< LOQ	0.2	0.091
Spiroxamine	< LOQ	0.4	0.182	Tebuconazole	< LOQ	0.4	0.182
Thiacloprid	< LOQ	0.2	0.091	Thiamethoxam	< LOQ	0.2	0.091
Trifloxystrobin	< LOQ	0.2	0.091				

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



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

Sample Name: <b>Cactus CO2 Oil Primary</b>	Date Sampled: <b>06/21/18 00:00</b>
Tested for: <b>OM Extracts</b>	Date Accepted: <b>06/21/18</b>
<b>Compliance Concentrate</b>	Results Valid Until: <b>06/21/19</b>
Laboratory ID: <b>18F0049-01</b>	Sample Metric ID: <b>1A4010300014ADD000003491</b>
Matrix: <b>Extracts and Concentrates</b>	Batch RFID: <b>1A4010300014ADD000003490</b>
Lot # <b>NA</b>	Batch Size: <b>2724 (g)</b>

### Residual Solvents

Solvent	Results in ug/g	Action Level	LOQ	Date Extracted: 06/25/18
1,4-Dioxane	< LOQ	380	71.3	Date Analyzed: 06/25/18
2-Butanol	< LOQ	5000	438	Analysis Method/SOP: RST
2-Ethoxyethanol	< LOQ	160	30.0	
2-Propanol (IPA)	< LOQ	5000	438	
Acetone	< LOQ	5000	438	
Acetonitrile	< LOQ	400	76.9	
Benzene	< LOQ	2	0.750	
Butanes	< LOQ	5000	313	
Cyclohexane	< LOQ	3880	728	
Dichloromethane (methylene chloride)	< LOQ	600	113	
Ethyl acetate	< LOQ	5000	438	
Ethyl ether	< LOQ	5000	438	
Ethylbenzene	< LOQ	2170	406	
Ethylene glycol	< LOQ	620	116	
Ethylene oxide	< LOQ	50	37.5	
Heptane	< LOQ	5000	438	
Hexanes	< LOQ	290	54.4	
Isopropyl acetate	< LOQ	5000	438	
Isopropylbenzene (cumene)	< LOQ	70	13.1	
Methanol	< LOQ	3000	313	
Pentanes	< LOQ	5000	438	
Propane	< LOQ	5000	125	
Tetrahydrofuran	< LOQ	720	135	
Toluene	< LOQ	890	167	
Xylenes	< LOQ	2170	406	

<LOQ - Results below the Limit of Quantitation - Compound not detected  
 Results above the Action Level fail state testing requirements and will be highlighted **Red #**.



Brian Weigel  
 Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

Sample Name: <b>Cactus CO2 Oil Duplicate</b>	Date Sampled: <b>06/21/18 00:00</b>
Tested for: <b>OM Extracts</b>	Date Accepted: <b>06/21/18</b>
<b>Compliance Concentrate</b>	Results Valid Until: <b>06/21/19</b>
Laboratory ID: <b>18F0049-02</b>	Sample Metric ID: <b>1A4010300014ADD000003491</b>
Matrix: <b>Extracts and Concentrates</b>	Batch RFID: <b>1A4010300014ADD000003490</b>
Lot # <b>NA</b>	Batch Size: <b>2724 (g)</b>

### Residual Solvents

Solvent	Results in ug/g	Action Level	LOQ	Date Extracted: 06/25/18
1,4-Dioxane	< LOQ	380	71.3	Date Analyzed: 06/25/18
2-Butanol	< LOQ	5000	438	Analysis Method/SOP: RST
2-Ethoxyethanol	< LOQ	160	30.0	
2-Propanol (IPA)	< LOQ	5000	438	
Acetone	< LOQ	5000	438	
Acetonitrile	< LOQ	400	76.9	
Benzene	< LOQ	2	0.750	
Butanes	< LOQ	5000	313	
Cyclohexane	< LOQ	3880	728	
Dichloromethane (methylene chloride)	< LOQ	600	113	
Ethyl acetate	< LOQ	5000	438	
Ethyl ether	< LOQ	5000	438	
Ethylbenzene	< LOQ	2170	406	
Ethylene glycol	< LOQ	620	116	
Ethylene oxide	< LOQ	50	37.5	
Heptane	< LOQ	5000	438	
Hexanes	< LOQ	290	54.4	
Isopropyl acetate	< LOQ	5000	438	
Isopropylbenzene (cumene)	< LOQ	70	13.1	
Methanol	< LOQ	3000	313	
Pentanes	< LOQ	5000	438	
Propane	< LOQ	5000	125	
Tetrahydrofuran	< LOQ	720	135	
Toluene	< LOQ	890	167	
Xylenes	< LOQ	2170	406	

<LOQ - Results below the Limit of Quantitation - Compound not detected  
 Results above the Action Level fail state testing requirements and will be highlighted **Red #**.



Brian Weigel  
 Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.



**Case Narrative**

Terpenes- Phytol and alpha-Humulene exceeded normally accepted QC criteria in the sample duplicate. Due to relatively large variations in very small values calculated high RPD.

**Quality Control  
Potency**

**Batch: B180477 - Potency/Terpenes**

Blank(B180477-BLK1)			Extracted - 06/25/18 9:13 Analyzed - 06/25/18 19:56					
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(B180477-DUP1)			Extracted - 06/25/18 9:13 Analyzed - 06/25/18 20:13					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
d9-THC (d9-Tetrahydrocannabinol)	6.92	%		6.66			3.81	20
d8-THC (d8-Tetrahydrocannabinol)	< LOQ	%		< LOQ				20
THCA (d9-Tetrahydrocannabinolic Acid)	73.18	%		73.64			0.621	20
CBD (Cannabidiol)	< LOQ	%		< LOQ				20
CBDA (Cannabidiolic Acid)	0.17	%		0.15			11.8	20
CBN (Cannabinol)	< LOQ	%		< LOQ				20
CBG (Cannabigerol)	0.27	%		0.26			1.35	20
CBGA (Cannabigerolic Acid)	1.36	%		1.35			0.917	20
CBDV (Cannabidivarin)	< LOQ	%		< LOQ				20
CBDVA (Cannabidivarinic Acid)	< LOQ	%		0.10				20
CBC (Cannabichromene)	< LOQ	%		< LOQ				20
THCV (Tetrahydrocannabivarin)	< LOQ	%		< LOQ				20

LCS(B180477-BS1)			Extracted - 06/25/18 9:13 Analyzed - 06/25/18 20:04					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control Potency (Continued)

**Batch: B180477 - Potency/Terpenes (Continued)**

LCS(B180477-BS1)		Extracted - 06/25/18 9:13 Analyzed - 06/25/18 20:04						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
d9-THC (d9-Tetrahydrocannabinol)	0.18	%	0.200		88.6	80-120		
CBD (Cannabidiol)	0.19	%	0.200		93.6	80-120		
CBDA (Cannabidiolic Acid)	0.18	%	0.200		89.8	80-120		
CBN (Cannabinol)	0.18	%	0.200		88.4	80-120		



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control Pesticide Analysis

**Batch: B180476 - Pesticide Prep**

Blank(B180476-BLK1)		Extracted - 06/25/18 15:00 Analyzed - 06/26/18 17:40						
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						



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control

### Pesticide Analysis (Continued)

**Batch: B180476 - Pesticide Prep (Continued)**

Blank(B180476-BLK1)			Extracted - 06/25/18 15:00 Analyzed - 06/26/18 17:40					
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(B180476-BS1)			Extracted - 06/25/18 15:00 Analyzed - 06/26/18 17:56					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acephate	0.70	ppm	1.00		69.8	70-130		
Acetamiprid	0.83	ppm	1.00		82.6	70-130		
Aldicarb	0.69	ppm	1.00		69.3	70-130		
Bifenazate	0.80	ppm	1.00		79.7	70-130		
Boscalid	0.74	ppm	1.00		74.3	70-130		
Chlorantraniliprole	0.75	ppm	1.00		74.5	70-130		
Chlorpyrifos	0.77	ppm	1.00		77.2	70-130		
Cyfluthrin	0.63	ppm	1.00		62.5	70-130		



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control

### Pesticide Analysis (Continued)

**Batch: B180476 - Pesticide Prep (Continued)**

LCS(B180476-BS1)		Extracted - 06/25/18 15:00 Analyzed - 06/26/18 17:56						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
DDVP (Dichlorvos)	0.89	ppm	1.00		89.0	70-130		
Ethoprophos	0.69	ppm	1.00		69.1	70-130		
Etoxazole	0.59	ppm	1.00		58.9	70-130		
Fenoxycarb	0.92	ppm	1.00		92.4	70-130		
Flonicamid	0.88	ppm	1.00		87.9	70-130		
Imazalil	0.86	ppm	1.00		85.5	70-130		
Imidacloprid	0.59	ppm	1.00		59.3	70-130		
Methiocarb	0.73	ppm	1.00		73.4	70-130		
Myclobutanil	0.83	ppm	1.00		82.8	70-130		
Oxamyl	0.72	ppm	1.00		71.6	70-130		
Paclobutrazol	1.01	ppm	1.00		101	70-130		
Piperonyl butoxide	0.64	ppm	1.00		63.6	70-130		
Prallethrin	0.73	ppm	1.00		73.0	70-130		
Propoxur	0.94	ppm	1.00		93.7	70-130		
Spiromesifen	0.68	ppm	1.00		68.1	70-130		
Spiroxamine	0.22	ppm	1.00		22.2	70-130		
Thiacloprid	0.79	ppm	1.00		79.0	70-130		
Thiamethoxam	0.79	ppm	1.00		79.2	70-130		
Trifloxystrobin	0.74	ppm	1.00		73.9	70-130		

Matrix Spike(B180476-MS1)		Extracted - 06/25/18 15:00 Analyzed - 06/26/18 18:12						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acephate	1.29	ppm	1.96	< LOQ	66.0	70-130		
Acetamiprid	1.66	ppm	1.96	< LOQ	84.7	70-130		
Aldicarb	1.40	ppm	1.96	< LOQ	71.2	70-130		
Bifenazate	1.61	ppm	1.96	< LOQ	82.2	70-130		
Boscalid	1.91	ppm	1.96	< LOQ	97.4	70-130		
Chlorantraniliprole	1.49	ppm	1.96	< LOQ	75.9	70-130		
Chlorpyrifos	1.54	ppm	1.96	< LOQ	78.6	70-130		
Cyfluthrin	1.20	ppm	1.96	< LOQ	61.2	70-130		
DDVP (Dichlorvos)	1.77	ppm	1.96	< LOQ	90.4	70-130		
Ethoprophos	1.32	ppm	1.96	< LOQ	67.4	70-130		
Etoxazole	1.52	ppm	1.96	< LOQ	77.3	70-130		
Fenoxycarb	1.86	ppm	1.96	< LOQ	94.7	70-130		
Flonicamid	1.63	ppm	1.96	< LOQ	83.2	70-130		



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control

### Pesticide Analysis (Continued)

**Batch: B180476 - Pesticide Prep (Continued)**

Matrix Spike(B180476-MS1)			Extracted - 06/25/18 15:00 Analyzed - 06/26/18 18:12						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	
Imazalil	1.85	ppm	1.96	< LOQ	94.1	70-130			
Imidacloprid	1.27	ppm	1.96	< LOQ	64.7	70-130			
Methiocarb	1.13	ppm	1.96	< LOQ	57.8	70-130			
Myclobutanil	1.66	ppm	1.96	< LOQ	84.7	70-130			
Oxamyl	1.32	ppm	1.96	< LOQ	67.4	70-130			
Paclobutrazol	1.95	ppm	1.96	< LOQ	99.5	70-130			
Piperonyl butoxide	1.37	ppm	1.96	< LOQ	70.1	70-130			
Prallethrin	1.43	ppm	1.96	< LOQ	72.7	70-130			
Propoxur	1.77	ppm	1.96	< LOQ	90.5	70-130			
Spiromesifen	1.13	ppm	1.96	< LOQ	57.8	70-130			
Spiroxamine	0.97	ppm	1.96	< LOQ	49.4	70-130			
Thiacloprid	1.61	ppm	1.96	< LOQ	81.8	70-130			
Thiamethoxam	1.51	ppm	1.96	< LOQ	76.8	70-130			
Trifloxystrobin	1.66	ppm	1.96	< LOQ	84.9	70-130			

Matrix Spike Dup(B180476-MSD1)			Extracted - 06/25/18 15:00 Analyzed - 06/26/18						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	
Acephate	1.29	ppm	1.91	< LOQ	67.5	70-130	2.16	30	
Acetamiprid	1.56	ppm	1.91	< LOQ	81.8	70-130	3.50	30	
Aldicarb	1.31	ppm	1.91	< LOQ	68.7	70-130	3.59	30	
Bifenazate	1.72	ppm	1.91	< LOQ	90.5	70-130	9.54	30	
Boscalid	1.86	ppm	1.91	< LOQ	97.4	70-130	0.0584	30	
Chlorantraniliprole	1.46	ppm	1.91	< LOQ	76.8	70-130	1.17	30	
Chlorpyrifos	1.54	ppm	1.91	< LOQ	80.8	70-130	2.67	30	
Cyfluthrin	1.74	ppm	1.91	< LOQ	91.4	70-130	39.6	30	
DDVP (Dichlorvos)	1.64	ppm	1.91	< LOQ	86.0	70-130	4.91	30	
Ethoprophos	1.38	ppm	1.91	< LOQ	72.3	70-130	7.08	30	
Etoxazole	1.53	ppm	1.91	< LOQ	80.2	70-130	3.68	30	
Fenoxycarb	1.79	ppm	1.91	< LOQ	93.7	70-130	1.09	30	
Flonicamid	1.61	ppm	1.91	< LOQ	84.5	70-130	1.60	30	
Imazalil	1.90	ppm	1.91	< LOQ	99.5	70-130	5.53	30	
Imidacloprid	1.13	ppm	1.91	< LOQ	59.2	70-130	8.83	30	
Methiocarb	1.17	ppm	1.91	< LOQ	61.2	70-130	5.78	30	
Myclobutanil	1.70	ppm	1.91	< LOQ	89.0	70-130	4.95	30	
Oxamyl	1.33	ppm	1.91	< LOQ	69.5	70-130	3.11	30	



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control

### Pesticide Analysis (Continued)

**Batch: B180476 - Pesticide Prep (Continued)**

Matrix Spike Dup(B180476-MSD1)			Extracted - 06/25/18 15:00 Analyzed - 06/26/18					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Paclobutrazol	1.90	ppm	1.91	< LOQ	99.9	70-130	0.361	30
Piperonyl butoxide	1.41	ppm	1.91	< LOQ	73.9	70-130	5.33	30
Prallethrin	1.54	ppm	1.91	< LOQ	80.6	70-130	10.2	30
Propoxur	1.75	ppm	1.91	< LOQ	91.9	70-130	1.56	30
Spiromesifen	1.23	ppm	1.91	< LOQ	64.3	70-130	10.7	30
Spiroxamine	0.92	ppm	1.91	< LOQ	48.2	70-130	2.40	30
Thiacloprid	1.55	ppm	1.91	< LOQ	81.4	70-130	0.582	30
Thiamethoxam	1.51	ppm	1.91	< LOQ	79.3	70-130	3.19	30
Trifloxystrobin	1.61	ppm	1.91	< LOQ	84.4	70-130	0.572	30



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control Solvent Analysis

**Batch: B180479 - Residual Solvent Prep**

<b>Blank(B180479-BLK1)</b>			<b>Extracted - 06/25/18 9:16 Analyzed - 06/25/18 17:00</b>					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	< LOQ	ug/g						
2-Butanol	< LOQ	ug/g						
2-Ethoxyethanol	< LOQ	ug/g						
2-Propanol (IPA)	< LOQ	ug/g						
Acetone	< LOQ	ug/g						
Acetonitrile	< LOQ	ug/g						
Benzene	< LOQ	ug/g						
Butanes	< LOQ	ug/g						
Cyclohexane	< LOQ	ug/g						
Dichloromethane (methylene chloride)	< LOQ	ug/g						
Ethyl acetate	< LOQ	ug/g						
Ethyl ether	< LOQ	ug/g						
Ethylbenzene	< LOQ	ug/g						
Ethylene glycol	< LOQ	ug/g						
Ethylene oxide	< LOQ	ug/g						
Heptane	< LOQ	ug/g						
Hexanes	< LOQ	ug/g						
Isopropyl acetate	< LOQ	ug/g						
Isopropylbenzene (cumene)	< LOQ	ug/g						
Methanol	< LOQ	ug/g						
Pentanes	< LOQ	ug/g						
Propane	< LOQ	ug/g						
Tetrahydrofuran	< LOQ	ug/g						
Toluene	< LOQ	ug/g						
Xylenes	< LOQ	ug/g						

<b>LCS(B180479-BS1)</b>			<b>Extracted - 06/25/18 9:16 Analyzed - 06/25/18 15:56</b>					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	510	ug/g	570		89.5	70-130		
2,2-Dimethylbutane	397	ug/g	435		91.2	70-130		
2-Butanol	3470	ug/g	3500		99.2	70-130		
2-Ethoxyethanol	224	ug/g	240		93.3	70-130		
2-Methylbutane (isopentane)	3090	ug/g	3500		88.4	70-130		
2-Methylpentane/2,3-Dimethylbutane	792	ug/g	870		91.1	70-130		
2-Propanol (IPA)	3650	ug/g	3500		104	70-130		



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.



## Quality Control Solvent Analysis (Continued)

**Batch: B180479 - Residual Solvent Prep (Continued)**

<b>LCS(B180479-BS1)</b>		<b>Extracted - 06/25/18 9:16 Analyzed - 06/25/18 15:56</b>						
<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Spike Level</b>	<b>Source Result</b>	<b>%REC</b>	<b>%REC Limits</b>	<b>RPD</b>	<b>RPD Limit</b>
3-Methylpentane	397	ug/g	435		91.2	70-130		
Acetone	3470	ug/g	3500		99.1	70-130		
Acetonitrile	597	ug/g	615		97.0	70-130		
Benzene	2.78	ug/g	3.00		92.6	70-130		
Cyclohexane	5750	ug/g	5820		98.8	70-130		
Dichloromethane (methylene chloride)	890	ug/g	900		98.9	70-130		
Ethyl acetate	3390	ug/g	3500		97.0	70-130		
Ethyl ether	3470	ug/g	3500		99.2	70-130		
Ethylbenzene	2980	ug/g	3250		91.6	70-130		
Ethylene glycol	901	ug/g	930		96.8	70-130		
Heptane	3300	ug/g	3500		94.4	70-130		
Isopropyl acetate	3380	ug/g	3500		96.5	70-130		
Isopropylbenzene (cumene)	89.3	ug/g	105		85.1	70-130		
m,p-Xylene	6010	ug/g	6510		92.3	70-130		
Methanol	2690	ug/g	2500		107	70-130		
n-Hexane	395	ug/g	435		90.9	70-130		
n-Pentane	3230	ug/g	3500		92.2	70-130		
Tetrahydrofuran	983	ug/g	1080		91.0	70-130		
Toluene	1190	ug/g	1340		89.1	70-130		
o-Xylene	2920	ug/g	3250		89.9	70-130		

<b>Matrix Spike(B180479-MS1)</b>		<b>Extracted - 06/25/18 9:16 Analyzed - 06/25/18 16:17</b>						
<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Spike Level</b>	<b>Source Result</b>	<b>%REC</b>	<b>%REC Limits</b>	<b>RPD</b>	<b>RPD Limit</b>
1,4-Dioxane	452	ug/g	509	< LOQ	88.7	70-130		
2,2-Dimethylbutane	319	ug/g	389	< LOQ	82.1	70-130		
2-Butanol	3040	ug/g	3130	< LOQ	97.3	70-130		
2-Ethoxyethanol	210	ug/g	215	< LOQ	98.0	70-130		
2-Methylbutane (isopentane)	2320	ug/g	3130	< LOQ	74.2	70-130		
2-Methylpentane/2,3-Dimethylbutane	646	ug/g	778	< LOQ	83.1	70-130		
2-Propanol (IPA)	3140	ug/g	3130	< LOQ	100	70-130		
3-Methylpentane	330	ug/g	389	< LOQ	84.7	70-130		
Acetone	2900	ug/g	3130	169	87.4	70-130		
Acetonitrile	510	ug/g	550	37.9	85.9	70-130		
Benzene	2.57	ug/g	2.68	< LOQ	96.0	70-130		
Cyclohexane	5100	ug/g	5210	< LOQ	98.0	70-130		



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control Solvent Analysis (Continued)

**Batch: B180479 - Residual Solvent Prep (Continued)**

Matrix Spike(B180479-MS1)			Extracted - 06/25/18 9:16 Analyzed - 06/25/18 16:17					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichloromethane (methylene chloride)	769	ug/g	804	< LOQ	95.5	70-130		
Ethyl acetate	3150	ug/g	3130	403	87.7	70-130		
Ethyl ether	2790	ug/g	3130	< LOQ	89.3	70-130		
Ethylbenzene	2790	ug/g	2910	< LOQ	96.2	70-130		
Ethylene glycol	952	ug/g	831	< LOQ	115	70-130		
Heptane	2940	ug/g	3130	< LOQ	93.9	70-130		
Isopropyl acetate	2940	ug/g	3130	< LOQ	94.1	70-130		
Isopropylbenzene (cumene)	91.8	ug/g	93.9	< LOQ	97.8	70-130		
m,p-Xylene	5720	ug/g	5820	< LOQ	98.3	70-130		
Methanol	2280	ug/g	2230	76.6	98.8	70-130		
n-Hexane	335	ug/g	389	< LOQ	86.2	70-130		
n-Pentane	2370	ug/g	3130	< LOQ	75.6	70-130		
Tetrahydrofuran	836	ug/g	965	< LOQ	86.6	70-130		
Toluene	1120	ug/g	1200	< LOQ	94.0	70-130		
o-Xylene	2800	ug/g	2910	< LOQ	96.2	70-130		

Matrix Spike Dup(B180479-MSD1)			Extracted - 06/25/18 9:16 Analyzed - 06/25/18					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	494	ug/g	566	< LOQ	87.2	70-130	8.92	30
2,2-Dimethylbutane	333	ug/g	432	< LOQ	77.1	70-130	4.31	30
2-Butanol	3350	ug/g	3480	< LOQ	96.3	70-130	9.60	30
2-Ethoxyethanol	238	ug/g	239	< LOQ	99.8	70-130	12.4	30
2-Methylbutane (isopentane)	2340	ug/g	3480	< LOQ	67.4	70-130	0.972	30
2-Methylpentane/2,3-Dimethylbutane	684	ug/g	865	< LOQ	79.1	70-130	5.63	30
2-Propanol (IPA)	3450	ug/g	3480	< LOQ	99.1	70-130	9.23	30
3-Methylpentane	351	ug/g	432	< LOQ	81.1	70-130	6.19	30
Acetone	3160	ug/g	3480	169	86.0	70-130	8.56	30
Acetonitrile	570	ug/g	611	37.9	87.1	70-130	11.1	30
Benzene	2.87	ug/g	2.98	< LOQ	96.2	70-130	10.7	30
Cyclohexane	5570	ug/g	5790	< LOQ	96.2	70-130	8.73	30
Dichloromethane (methylene chloride)	853	ug/g	894	< LOQ	95.4	70-130	10.4	30
Ethyl acetate	3460	ug/g	3480	403	87.8	70-130	9.32	30
Ethyl ether	2970	ug/g	3480	< LOQ	85.4	70-130	6.12	30
Ethylbenzene	3110	ug/g	3230	< LOQ	96.4	70-130	10.8	30
Ethylene glycol	1080	ug/g	924	< LOQ	117	70-130	12.3	30



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control Solvent Analysis (Continued)

**Batch: B180479 - Residual Solvent Prep (Continued)**

Matrix Spike Dup(B180479-MSD1)			Extracted - 06/25/18 9:16 Analyzed - 06/25/18					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Heptane	3220	ug/g	3480	< LOQ	92.6	70-130	9.21	30
Isopropyl acetate	3230	ug/g	3480	< LOQ	92.9	70-130	9.38	30
Isopropylbenzene (cumene)	99.6	ug/g	104	< LOQ	95.5	70-130	8.22	30
m,p-Xylene	6420	ug/g	6470	< LOQ	99.3	70-130	11.5	30
Methanol	2520	ug/g	2480	76.6	98.4	70-130	9.89	30
n-Hexane	363	ug/g	432	< LOQ	84.0	70-130	7.99	30
n-Pentane	2440	ug/g	3480	< LOQ	70.0	70-130	2.89	30
Tetrahydrofuran	920	ug/g	1070	< LOQ	85.8	70-130	9.64	30
Toluene	1250	ug/g	1330	< LOQ	94.0	70-130	10.6	30
o-Xylene	3090	ug/g	3230	< LOQ	95.6	70-130	9.92	30



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control Terpene Analysis

**Batch: B180478 - Potency/Terpenes**

Blank(B180478-BLK1)			Extracted - 06/25/18 9:14 Analyzed - 06/26/18 12:50					
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	0.303	%						
Citronellol	< LOQ	%						
gamma-Terpinene	< LOQ	%						



Brian Weigel  
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

## Quality Control Terpene Analysis (Continued)

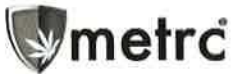
Batch: B180478 - Potency/Terpenes (Continued)

Duplicate(B180478-DUP1)		Extracted - 06/25/18 9:14 Analyzed - 06/26/18 12:50						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
alpha Pinene	0.382	%		0.408			6.51	20
Myrcene	0.113	%		0.119			4.82	20
alpha Phellandrene	< LOQ	%		< LOQ				20
3-Carene	< LOQ	%		< LOQ				20
alpha Terpinene	< LOQ	%		< LOQ				20
Limonene	0.967	%		1.081			11.2	20
Terpinolene	< LOQ	%		< LOQ				20
Linalool	0.582	%		0.640			9.43	20
Fenchol	0.328	%		0.347			5.78	20
Borneol	< LOQ	%		< LOQ				20
Terpineol	0.399	%		0.382			4.33	20
Geraniol	< LOQ	%		< LOQ				20
alpha Humulene	0.267	%		0.350			26.7	20
beta Caryophyllene	0.889	%		0.953			7.02	20
Caryophyllene Oxide	0.103	%		0.104			0.400	20
alpha Bisabolol	0.203	%		0.197			3.35	20
Camphene	< LOQ	%		< LOQ				20
beta Pinene	0.301	%		0.321			6.69	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	0.290	%		0.264			9.15	20
R-(+)-Pulegone	< LOQ	%		< LOQ				20
Eucalyptol	< LOQ	%		< LOQ				20
p-Cymene	< LOQ	%		< LOQ				20
(-)-Isopulegol	< LOQ	%		< LOQ				20
Geranyl Acetate	< LOQ	%		< LOQ				20
Guaiol	< LOQ	%		< LOQ				20
Valencene	0.472	%		0.492			4.17	20
Phytol	0.097	%		0.256			90.4	20
Citronellol	< LOQ	%		< LOQ				20
gamma-Terpinene	< LOQ	%		< LOQ				20



Brian Weigel  
 Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.



**OREGON LIQUOR CONTROL COMMISSION  
CANNABIS TRANSPORTATION MANIFEST**



18F0049

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.

<b>Manifest #:</b>	0000790331	<b>Date Created:</b>	6/21/2018 10:48 AM
<b>Originating Entity:</b>	OM Extracts	<b>For OLCC Use Only</b>	
<b>Originating License Number:</b>	030-10051970949		
<b>Address of Originating Entity:</b>	500 Industrial Circle, Units E, F, G, and H White City, OR 97503		
<b>Phone No. of Originating Entity:</b>	503-688-3289		
<b>Contact Phone No. for Inquiries:</b>	503-688-3289		
<b>Destination # 1:</b>	SC Laboratories	<b>Destination Phone No.:</b>	707-339-0050
<b>Destination License Number:</b>	010-1004748743D	<b>Date and Approximate Time of Departure:</b>	6/21/2018 10:46 AM
<b>Address of Destination:</b>	15865 SW 74th Avenue Ste 110 Tigard, OR 97224	<b>Date and Approximate Time of Arrival:</b>	6/21/2018 6:00 PM
		<b>Date/Time Received:</b>	6.21.18 4:13
<b>Route to be Traveled:</b>	<b>Notes: details for extenuating circumstances (e.g., road closure, flat tire, etc.)</b> I-5 North to SC Laboratories 15867 SW 74th Ave, Ste 110 Tigard, OR 97224		
<b>Name of Person Transporting:</b>	Joel Glimpse/ Scott Forster	<b>Handler Permit No. of Driver:</b>	102682/22
<b>State Driver's License No.:</b>	9474950/A625521	<b>Signature of Person Transporting:</b>	
<b>Make, Model, License Plate No.:</b>	scion/subaru XB/crosstrek 175 JLS / 051 JSA		
<b>Package Label</b>	<b>Harvest Name</b>	<b>Item Name</b>	<b>Weight/Quantity</b>
1A4010300014ADD000003491 Status: Shipped	Cactus 11/6, mgss 11/6	Cactus CO2 Oil (Extracts)	Shp: 12.6600 g
<b>PRODUCT REJECTION (if only a portion of shipment is rejected, circle that portion above)</b>			
<b>Name of Person Receiving or Rejecting Product:</b>	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 not circled above. Those portions circled were returned to the individual delivering this shipment.			
<b>Signature:</b>		<b>Date:</b>	6.21.18
<b>Signature of individual taking receipt of rejected portion of this shipment:</b>			

Client: OM Ext Client License: 10051970949 Date: 6/21/2018 Thermometer ID: T015  
 Location: 500 Industrial wy Requestor: Jamie Event ID: 18FOM21 Balance ID: b03  
 Sampling SOP: SC-OR-SAMP-003 Sampler: Joel Transporter: Joel/ Scott Hygrometer ID: 3  
 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	3	±2.5%	0.5	P	0.5	P
200		±2.5%	199.97		199.98	

Container Type	METRC Harvest/Processing Lot ID #:				Product Type	Client Sample Name	Product Date	Batch Size (g)
Pan					Concentrate	Cactus Co2 Oil		2724
METRC Batch ID	Product Temp (°C)	Humidity (%)	# of Containers	Sample Media	# Zones	# of Inc.	1° Sample (g)	Sample Name
1A4010300014ADD000003490	52.5	62	1	Vail	3	8	1	Cactus Co2 Oil Primary
Lab Sample ID	Container ID		Increment Zone	Sampling Media Wt. (g)	Wt. Inc+Media (g)	Increment Weight (g)	Sample METRC ID#	
18FOM21-01	Cactus Co2 Oil-1		A1	10.05	10.84	0.79	1A4010300014ADD000003491	
18FOM21-01	Cactus Co2 Oil-1		A1	10.84	11.65	0.81	1A4010300014ADD000003491	
18FOM21-01	Cactus Co2 Oil-1		A1	11.65	12.45	0.8	1A4010300014ADD000003491	
18FOM21-01	Cactus Co2 Oil-1		A2	12.45	13.25	0.8	1A4010300014ADD000003491	
18FOM21-01	Cactus Co2 Oil-1		A2	13.25	14.05	0.8	1A4010300014ADD000003491	
18FOM21-01	Cactus Co2 Oil-1		A2	14.05	14.85	0.8	1A4010300014ADD000003491	
18FOM21-01	Cactus Co2 Oil-1		A3	14.85	15.65	0.8	1A4010300014ADD000003491	
18FOM21-01	Cactus Co2 Oil-1		A3	15.65	16.45	0.8	1A4010300014ADD000003491	
					Total Primary Mass = 6.4		Primary + Duplicate Mass = 0 g	

Observations and Abnormalities:	Batch #	Marks/Labels	Cont. Types/Sizes	Uniform	Plant Colors	Shape and Size	Sampling Plan

METRC Batch ID	Product Temp (°C)	Humidity (%)	# of Containers	Sample Media	# Zones	# of Inc.	1° Sample (g)	Sample Name
1A4010300014ADD000003490	52.5	62	1	Vail	3	8	1	Cactus Co2 Oil Duplicate
Lab Sample ID	Container ID		Increment Zone	Sampling Media Wt. (g)	Wt. Inc+Media (g)	Increment Weight (g)	Sample METRC ID#	
18FOM21-02	Cactus Co2 Oil-1		A1	10.16	10.96	0.8	1A4010300014ADD000003491	
18FOM21-02	Cactus Co2 Oil-1		A1	10.96	11.76	0.8	1A4010300014ADD000003491	
18FOM21-02	Cactus Co2 Oil-1		A1	12.56	13.36	0.8	1A4010300014ADD000003491	
18FOM21-02	Cactus Co2 Oil-1		A2	13.36	14.16	0.8	1A4010300014ADD000003491	
18FOM21-02	Cactus Co2 Oil-1		A2	14.16	14.96	0.8	1A4010300014ADD000003491	
18FOM21-02	Cactus Co2 Oil-1		A3	14.96	15.78	0.8	1A4010300014ADD000003491	
18FOM21-02	Cactus Co2 Oil-1		A3	15.78	16.62	0.8	1A4010300014ADD000003491	
					Total Duplicate Mass = 1.6		Primary + Duplicate Mass = 0 g	

Batch #	Marks/Labels	Cont. Types/Sizes	Uniform	Plant Colors	Shape and Size	Sampling Plan

Observations and Abnormalities:

--	--	--	--	--	--	--	--



18F0049 / 18F0050



Work Order #: 18F0049  
18F0050

Received By: AS Date: 6-21-18

Courier: Scott

Name of Sampler: Scott

Transfer Manifest #: 190331790225

Place where Sampled: same

Sampler OLCC License #:

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

Client: Om Ex

OLCC License #: 10651970949

Address: 500 Industrial  
Water City

Date Sampled: 6/21/18

Sample Type Legend

U - Usable Marijuana  
C - Concentrate  
P - Product  
O - Other

Sample Name	Time	METRC Label	Unique Batch Number	SC Labs LIMS ID	Sample Type	Total Sample Mass	TESTS REQUESTED					Sample Specific Notes	
							# of Increments	Potency	Water Activity	Molature Content	Pesticide		Residual Solvent
<u>Cannabis CO2 oil</u>		<u>1A4010300014AD</u>	<u>3490</u>	<u>18F0049-01</u>	<u>C</u>	<u>12.66</u>		<u>X</u>			<u>X</u>	<u>X</u>	<u>Compliance</u>
		<u>D00000 3491</u>		<u>18F0049-02</u>									
<u>PHK ECO RSD</u>		<u>3493</u>		<u>18F0050-01</u>	<u>C</u>						<u>X</u>		<u>RSD clients pulled sample</u>

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

Samples Relinquished

Print Name: Scott Date: 6/21/18

Representative of: SC Labs

Signature: [Signature] Time: 10:45

Samples Received

Print Name: Scott Date: 6/21/18

Representative of: SC Labs

Signature: [Signature] Time: 10:45

6-21  
6-26 ED