

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

Laboratory ID: 18H0005-05

Matrix: Extracts and Concentrates

Sample Metrc ID: 1A4010300014ADD000004483

Lot # NA

Date Sampled: 08/02/18 10:00

Batch RFID: 1A4010300014ADD000004421

Date Accepted: 08/02/18

Batch Size: 2724 (g)

Results Valid Until: 08/02/19



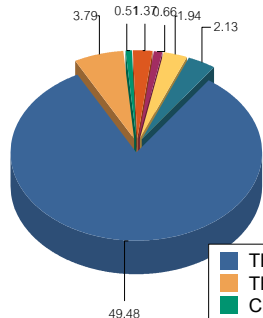
Potency Analysis

Date Extracted: 08/03/18

Analysis Method/SOP: Potency

Date Analyzed: 08/03/18

* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	Cannabinoids Profile																
Total THC ((THCA*0.877)+d9)	52.81	528.1	 <table border="1"> <tr><td>THC</td><td>49.48</td></tr> <tr><td>THCA</td><td>3.79</td></tr> <tr><td>CBN</td><td>0.51</td></tr> <tr><td>CBG</td><td>1.37</td></tr> <tr><td>CBGA</td><td>0.66</td></tr> <tr><td>CBC</td><td>1.94</td></tr> <tr><td>THCV</td><td>2.13</td></tr> <tr><td>Total:</td><td>59.88</td></tr> </table>	THC	49.48	THCA	3.79	CBN	0.51	CBG	1.37	CBGA	0.66	CBC	1.94	THCV	2.13	Total:	59.88
THC	49.48																		
THCA	3.79																		
CBN	0.51																		
CBG	1.37																		
CBGA	0.66																		
CBC	1.94																		
THCV	2.13																		
Total:	59.88																		
Total CBD ((CBDA*0.877)+CBD)	< LOQ	< LOQ																	
d9-THC (d9-Tetrahydrocannabinol)*	49.48	494.8																	
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ																	
THCA (d9-Tetrahydrocannabinolic Acid)*	3.79	37.9																	
CBD (Cannabidiol)*	< LOQ	< LOQ																	
CBDA (Cannabidiolic Acid)*	< LOQ	< LOQ																	
CBN (Cannabinol)*	0.51	5.1																	
CBG (Cannabigerol)*	1.37	13.7																	
CBGA (Cannabigerolic Acid)	0.66	6.6																	
CBDV (Cannabidivarin)*	< LOQ	< LOQ																	
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ																	
CBC (Cannabichromene)*	1.94	19.4																	
THCV (Tetrahydrocannabivarin)	2.13	21.3																	
Total Cannabinoids	59.88	598.8																	

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



Brian Weigel
Lab Director

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

Laboratory ID: 18H0005-06

Matrix: Extracts and Concentrates

Sample Metrc ID: 1A4010300014ADD000004483

Lot # NA

Date Sampled: 08/02/18 10:06

Batch RFID: 1A4010300014ADD000004421

Date Accepted: 08/02/18

Batch Size: 2724 (g)

Results Valid Until: 08/02/19



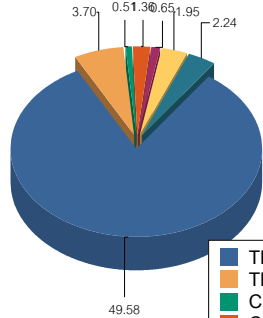
Potency Analysis

Date Extracted: 08/03/18

Analysis Method/SOP: Potency

Date Analyzed: 08/03/18

* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	Cannabinoids Profile																
Total THC ((THCA*0.877)+d9)	52.83	528.3	 <table border="1"> <tr><td>THC</td><td>49.58</td></tr> <tr><td>THCA</td><td>3.70</td></tr> <tr><td>CBN</td><td>0.51</td></tr> <tr><td>CBG</td><td>1.36</td></tr> <tr><td>CBGA</td><td>0.65</td></tr> <tr><td>CBC</td><td>1.95</td></tr> <tr><td>THCV</td><td>2.24</td></tr> <tr><td>Total:</td><td>60.01</td></tr> </table>	THC	49.58	THCA	3.70	CBN	0.51	CBG	1.36	CBGA	0.65	CBC	1.95	THCV	2.24	Total:	60.01
THC	49.58																		
THCA	3.70																		
CBN	0.51																		
CBG	1.36																		
CBGA	0.65																		
CBC	1.95																		
THCV	2.24																		
Total:	60.01																		
Total CBD ((CBDA*0.877)+CBD)	< LOQ	< LOQ																	
d9-THC (d9-Tetrahydrocannabinol)*	49.58	495.8																	
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ																	
THCA (d9-Tetrahydrocannabinolic Acid)*	3.70	37																	
CBD (Cannabidiol)*	< LOQ	< LOQ																	
CBDA (Cannabidiolic Acid)*	< LOQ	< LOQ																	
CBN (Cannabinol)*	0.51	5.1																	
CBG (Cannabigerol)*	1.36	13.6																	
CBGA (Cannabigerolic Acid)	0.65	6.5																	
CBDV (Cannabidivarin)*	< LOQ	< LOQ																	
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ																	
CBC (Cannabichromene)*	1.95	19.5																	
THCV (Tetrahydrocannabivarin)	2.24	22.4																	
Total Cannabinoids	60.01	600.1																	

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

Sample Name: **Cactus FECO**

Sample Metrc ID: 1A4010300014ADD000004483

	Primary Result	Duplicate Result	Average	% RPD	Pass/Fail (<20%RPD)
	%	%	%		
Total THC ((THCA*0.877)+d9)	52.81	52.83	52.82	0.0379	PASS



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Lab Director

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Sample Name: Cactus FECO Primary	Date Sampled: 08/02/18 10:00
Tested for: OM Extracts	Date Accepted: 08/02/18
Compliance Concentrate	Results Valid Until: 08/02/19
Laboratory ID: 18H0005-05	Sample Metrc ID: 1A4010300014ADD000004483
Matrix: Extracts and Concentrates	Batch RFID: 1A4010300014ADD000004421
Lot # NA	Batch Size: 2724 (g)

Terpene Analysis

Date Extracted: 08/03/18

Analysis Method/SOP: Terpenes

Date Analyzed: 08/03/18

Analyte	Result (%)	LOQ	Analyte	Result	LOQ
alpha Pinene	0.136	0.098	Myrcene	0.360	0.098
alpha Phellandrene	< LOQ	0.098	3-Carene	< LOQ	0.098
alpha Terpinene	< LOQ	0.098	Limonene	0.250	0.098
Terpinolene	0.986	0.098	Linalool	< LOQ	0.098
Fenchol	< LOQ	0.098	Borneol	< LOQ	0.098
Terpineol	< LOQ	0.098	Geraniol	< LOQ	0.098
alpha Humulene	0.567	0.098	beta Caryophyllene	1.409	0.098
Caryophyllene Oxide	0.113	0.098	alpha Bisabolol	0.396	0.098
Camphene	< LOQ	0.098	beta Pinene	< LOQ	0.098
Ocimene	0.131	0.098	Sabinene	< LOQ	0.098
Camphor	< LOQ	0.098	Isoborneol	< LOQ	0.098
Menthol	< LOQ	0.098	alpha Cedrene	< LOQ	0.098
Nerolidol	0.127	0.098	R-(+)-Pulegone	< LOQ	0.098
Eucalyptol	< LOQ	0.098	p-Cymene	< LOQ	0.098
(-)-Isopulegol	< LOQ	0.098	Geranyl Acetate	< LOQ	0.098
Guaiol	0.320	0.098	Valencene	0.348	0.098
Phytol	0.757	0.098	Citronellol	< LOQ	0.098
gamma-Terpinene	< LOQ	0.098			
Total Terpenes				5.898 %	

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

Terpene Analysis is not ORELAP Accredited.

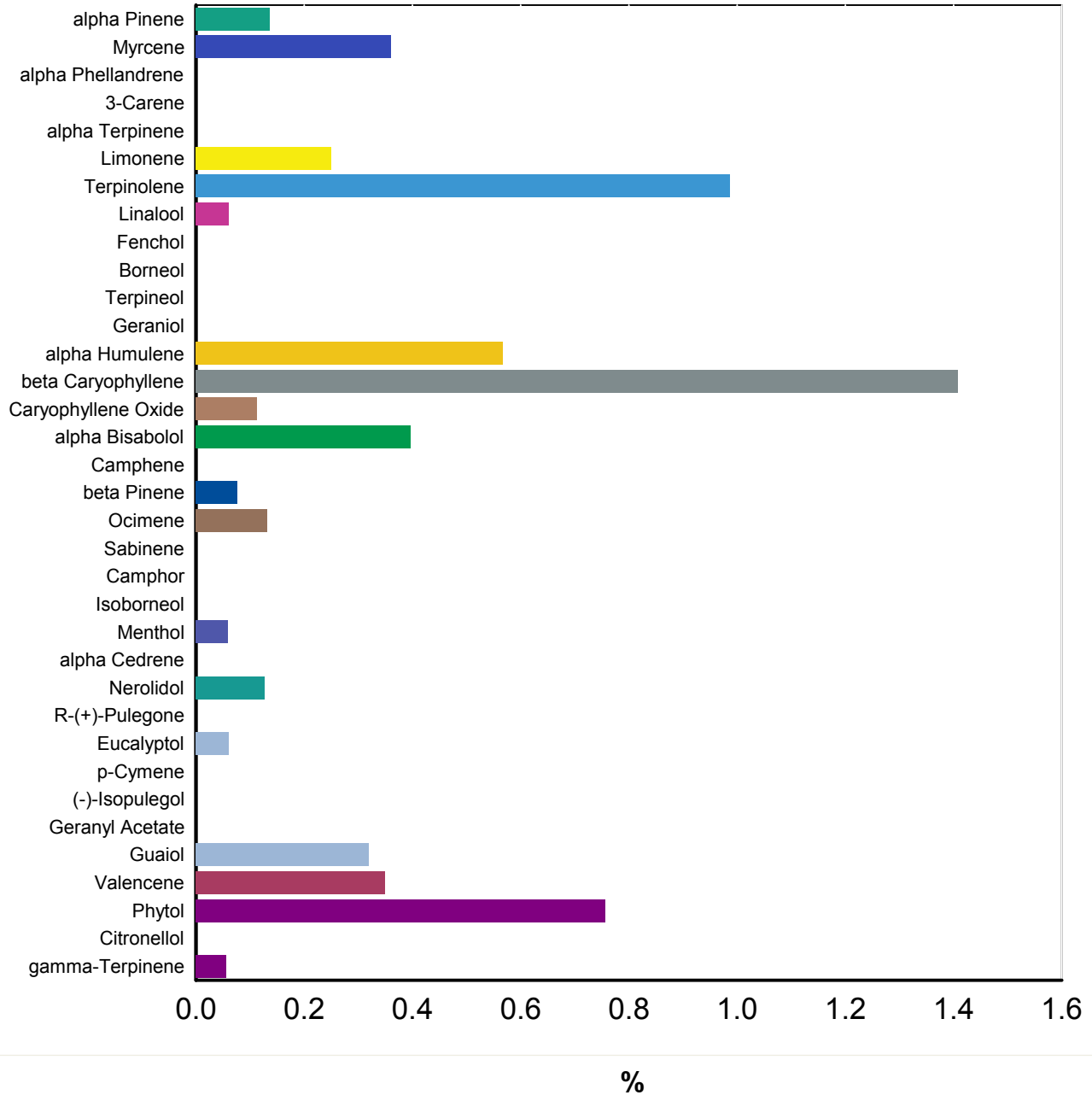


Brian Weigel
Lab Director

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Sample Name: Cactus FECO Primary	Date Sampled: 08/02/18 10:00
Tested for: OM Extracts	Date Accepted: 08/02/18 16:57
Compliance Concentrate	Results Valid Until: 08/02/19
Laboratory ID: 18H0005-05 Matrix: Extracts and	Client/Metric ID: 1A4010300014ADD000004483

Terpene Profile




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Lab Director

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Sample Name: **Cactus FECO Primary** Date Sampled: **08/02/18 10:00**
 Tested for: **OM Extracts** Date Accepted: **08/02/18**
Compliance Concentrate Results Valid Until: **08/02/19**

Laboratory ID: **18H0005-05** Sample Metrc ID: **1A4010300014ADD000004483**
 Matrix: **Extracts and Concentrates** Batch RFID: **1A4010300014ADD000004421**
 Lot # **NA** Batch Size: **2724 (g)**

Pesticide Analysis in ppm

Date Extracted: 08/03/18 Analysis Method/SOP: Pesticides
 Date Analyzed: 08/04/18 Results above the action levels are highlighted in red #.

Analyte	Result	Action Level	LOQ	Analyte	Result	Action Level	LOQ
Abamectin	< LOQ	0.5	0.246	Acephate	< LOQ	0.4	0.197
Acequinocyl	< LOQ	2	0.983	Acetamiprid	< LOQ	0.2	0.098
Aldicarb	< LOQ	0.4	0.197	Azoxystrobin	< LOQ	0.2	0.098
Bifenazate	< LOQ	0.2	0.098	Bifenthrin	< LOQ	0.2	0.098
Boscalid	< LOQ	0.4	0.197	Carbaryl	< LOQ	0.2	0.098
Carbofuran	< LOQ	0.2	0.098	Chlorantraniliprole	< LOQ	0.2	0.098
Chlorfenapyr	< LOQ	1	0.491	Chlorpyrifos	< LOQ	0.2	0.098
Clofentezine	< LOQ	0.2	0.098	Cyfluthrin	< LOQ	1	0.491
Cypermethrin	< LOQ	1	0.491	Daminozide	< LOQ	1	0.491
DDVP (Dichlorvos)	< LOQ	1	0.491	Diazinon	< LOQ	0.2	0.098
Dimethoate	< LOQ	0.2	0.098	Ethoprophos	< LOQ	0.2	0.098
Etofenprox	< LOQ	0.4	0.197	Etoxazole	< LOQ	0.2	0.098
Fenoxycarb	< LOQ	0.2	0.098	Fenpyroximate	< LOQ	0.4	0.197
Fipronil	< LOQ	0.4	0.197	Fonicamid	< LOQ	1	0.491
Fludioxonil	< LOQ	0.4	0.197	Hexythiazox	< LOQ	1	0.491
Imazalil	< LOQ	0.2	0.098	Imidacloprid	< LOQ	0.4	0.197
Kresoxim-methyl	< LOQ	0.4	0.197	Malathion	< LOQ	0.2	0.098
Metalaxyl	< LOQ	0.2	0.098	Methiocarb	< LOQ	0.2	0.098
Methomyl	< LOQ	0.4	0.197	Methyl parathion	< LOQ	0.2	0.098
MGK-264	< LOQ	0.2	0.098	Myclobutanil	< LOQ	0.2	0.098
Naled	< LOQ	0.5	0.246	Oxamyl	< LOQ	1	0.491
Paclobutrazol	< LOQ	0.4	0.197	Permethrins (total)	< LOQ	0.2	0.098
Phosmet	< LOQ	0.2	0.098	Piperonyl butoxide	< LOQ	2	0.491
Prallethrin	< LOQ	0.2	0.098	Propiconazole	< LOQ	0.4	0.197
Propoxur	< LOQ	0.2	0.098	Pyrethrins (total)	< LOQ	1	0.491
Pyridaben	< LOQ	0.2	0.098	Spinosad	< LOQ	0.2	0.098
Spiromesifen	< LOQ	0.2	0.098	Spirotetramat	< LOQ	0.2	0.098
Spiroxamine	< LOQ	0.4	0.197	Tebuconazole	< LOQ	0.4	0.197
Thiacloprid	< LOQ	0.2	0.098	Thiamethoxam	< LOQ	0.2	0.098
Trifloxystrobin	< LOQ	0.2	0.098				

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



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Lab Director

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Sample Name: **Cactus FECO Duplicate** Date Sampled: **08/02/18 10:06**
 Tested for: **OM Extracts** Date Accepted: **08/02/18**
Compliance Concentrate Results Valid Until: **08/02/19**

Laboratory ID: **18H0005-06** Sample Metrc ID: **1A4010300014ADD000004483**
 Matrix: **Extracts and Concentrates** Batch RFID: **1A4010300014ADD000004421**
 Lot # **NA** Batch Size: **2724 (g)**

Pesticide Analysis in ppm

Date Extracted: 08/03/18 Analysis Method/SOP: Pesticides
 Date Analyzed: 08/04/18 Results above the action levels are highlighted in red #.

Analyte	Result	Action Level	LOQ	Analyte	Result	Action Level	LOQ
Abamectin	< LOQ	0.5	0.245	Acephate	< LOQ	0.4	0.196
Acequinocyl	< LOQ	2	0.981	Acetamiprid	< LOQ	0.2	0.098
Aldicarb	< LOQ	0.4	0.196	Azoxystrobin	< LOQ	0.2	0.098
Bifenazate	< LOQ	0.2	0.098	Bifenthrin	< LOQ	0.2	0.098
Boscalid	< LOQ	0.4	0.196	Carbaryl	< LOQ	0.2	0.098
Carbofuran	< LOQ	0.2	0.098	Chlorantraniliprole	< LOQ	0.2	0.098
Chlorfenapyr	< LOQ	1	0.490	Chlorpyrifos	< LOQ	0.2	0.098
Clofentezine	< LOQ	0.2	0.098	Cyfluthrin	< LOQ	1	0.490
Cypermethrin	< LOQ	1	0.490	Daminozide	< LOQ	1	0.490
DDVP (Dichlorvos)	< LOQ	1	0.490	Diazinon	< LOQ	0.2	0.098
Dimethoate	< LOQ	0.2	0.098	Ethoprophos	< LOQ	0.2	0.098
Etofenprox	< LOQ	0.4	0.196	Etoxazole	< LOQ	0.2	0.098
Fenoxycarb	< LOQ	0.2	0.098	Fenpyroximate	< LOQ	0.4	0.196
Fipronil	< LOQ	0.4	0.196	Fonicamid	< LOQ	1	0.490
Fludioxonil	< LOQ	0.4	0.196	Hexythiazox	< LOQ	1	0.490
Imazalil	< LOQ	0.2	0.098	Imidacloprid	< LOQ	0.4	0.196
Kresoxim-methyl	< LOQ	0.4	0.196	Malathion	< LOQ	0.2	0.098
Metalaxyl	< LOQ	0.2	0.098	Methiocarb	< LOQ	0.2	0.098
Methomyl	< LOQ	0.4	0.196	Methyl parathion	< LOQ	0.2	0.098
MGK-264	< LOQ	0.2	0.098	Myclobutanil	< LOQ	0.2	0.098
Naled	< LOQ	0.5	0.245	Oxamyl	< LOQ	1	0.490
Paclobutrazol	< LOQ	0.4	0.196	Permethrins (total)	< LOQ	0.2	0.098
Phosmet	< LOQ	0.2	0.098	Piperonyl butoxide	< LOQ	2	0.490
Prallethrin	< LOQ	0.2	0.098	Propiconazole	< LOQ	0.4	0.196
Propoxur	< LOQ	0.2	0.098	Pyrethrins (total)	< LOQ	1	0.490
Pyridaben	< LOQ	0.2	0.098	Spinosad	< LOQ	0.2	0.098
Spiromesifen	< LOQ	0.2	0.098	Spirotetramat	< LOQ	0.2	0.098
Spiroxamine	< LOQ	0.4	0.196	Tebuconazole	< LOQ	0.4	0.196
Thiacloprid	< LOQ	0.2	0.098	Thiamethoxam	< LOQ	0.2	0.098
Trifloxystrobin	< LOQ	0.2	0.098				

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



Brian Weigel
Lab Director

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Sample Name: Cactus FECO Primary	Date Sampled: 08/02/18 10:00
Tested for: OM Extracts	Date Accepted: 08/02/18
Compliance Concentrate	Results Valid Until: 08/02/19
Laboratory ID: 18H0005-05	Sample Metric ID: 1A4010300014ADD000004483
Matrix: Extracts and Concentrates	Batch RFID: 1A4010300014ADD000004421
Lot # NA	Batch Size: 2724 (g)

Residual Solvents

Solvent	Results in ug/g	Action Level	LOQ	Date Extracted: 08/03/18
1,4-Dioxane	< LOQ	380	71.3	Date Analyzed: 08/03/18
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

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Sample Name: Cactus FECO Duplicate	Date Sampled: 08/02/18 10:06
Tested for: OM Extracts	Date Accepted: 08/02/18
Compliance Concentrate	Results Valid Until: 08/02/19
Laboratory ID: 18H0005-06	Sample Metric ID: 1A4010300014ADD000004483
Matrix: Extracts and Concentrates	Batch RFID: 1A4010300014ADD000004421
Lot # NA	Batch Size: 2724 (g)

Residual Solvents

Solvent	Results in ug/g	Action Level	LOQ
1,4-Dioxane	< LOQ	380	71.3
2-Butanol	< LOQ	5000	438
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

Date Extracted: 08/03/18
Date Analyzed: 08/03/18
Analysis Method/SOP: RST

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



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