



### Wedding Cake

Sample ID: Matrix: Industrial Hemp  
Test ID:  
Source ID:  
Date Sampled: 12/07/22 Date Accepted: 12/07/22

**Farm 10**

### Results at a Glance

Total THC : 0.61 %  
  
Total CBD : 16 %  
  
Total CBG : 0.43 %  
  
Percent Moisture : 9.16 % PASS  
  
Total Terpenes : 1.687 % PASS



Eric Wendt  
Chief Science Officer - 12/15/2022



### Wedding Cake

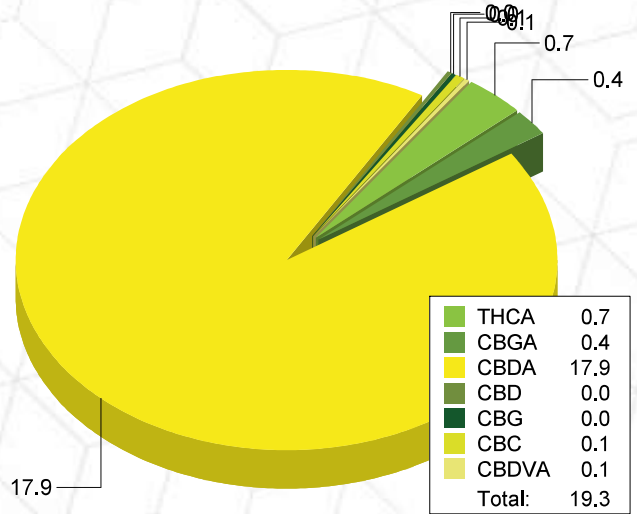
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Farm 10

### Potency Analysis

Date/Time Extracted: 12/09/22 09:26 Analysis Method/SOP: 215 Batch Identification: 2250042

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.010	0.61	6.1	
Total CBD	0.009	16	160	
Total CBG	0.0009	0.43	4.3	
THCA	0.0006	0.69	6.9	
delta 9-THC	0.0006	< LOQ	< LOQ	
delta 8-THC	0.005	< LOQ	< LOQ	
THCV	0.006	< LOQ	< LOQ	
THCVA	0.002	< LOQ	< LOQ	
CBD	0.002	0.031	0.31	
CBDA	0.002	18	180	
CBDV	0.006	< LOQ	< LOQ	
CBDVA	0.002	0.062	0.62	
CBN	0.003	< LOQ	< LOQ	
CBG	0.0009	0.044	0.44	
CBGA	0.0009	0.44	4.4	
CBC	0.010	0.11	1.1	



### Moisture

Date/Time Extracted: 12/09/22 15:02 Analysis Method/SOP: 103

Moisture: 9.16 % Action Level: 15%

Potency results are reported on a dry weight basis.  
Total THC = delta 9-THC + (THCA \* 0.877)  
Total CBD = CBD + (CBDA \* 0.877)  
Total CBG = CBG + (CBGA \* 0.878)  
LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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Farms 10

### Terpene Analysis by GCMS

Date/Time Extracted: 12/09/22 09:26

Analysis Method/SOP: 204

Date/Time Analyzed: 12/09/22 19:21

Analyte	Result	LOD	LOQ	Units	Analyte	Result	LOD	LOQ	Units
(-)-Borneol	< LOQ	0.001	0.003	mg/g	(+)-Borneol	< LOQ	0.001	0.003	mg/g
3-Carene	< LOQ	0.001	0.003	mg/g	alpha-Bisabolol	0.87	0.001	0.003	mg/g
alpha-Cedrene	< LOQ	0.001	0.003	mg/g	alpha-Humulene	0.86	0.001	0.003	mg/g
Alpha-Phellandrene	< LOQ	0.001	0.003	mg/g	alpha-Pinene	0.53	0.001	0.003	mg/g
alpha-Terpinene	< LOQ	0.001	0.003	mg/g	alpha-Thujone	< LOQ	0.001	0.003	mg/g
A-Terpineol	< LOQ	0.001	0.003	mg/g	beta-Caryophyllene	2.7	0.001	0.003	mg/g
beta-Myrcene	6.51	0.001	0.003	mg/g	beta-Pinene	0.24	0.001	0.003	mg/g
Camphene	< LOQ	0.001	0.003	mg/g	Camphor	< LOQ	0.001	0.003	mg/g
Carvacrol	< LOQ	0.001	0.003	mg/g	Carvone	< LOQ	0.001	0.003	mg/g
Caryophyllene Oxide	0.12	0.001	0.003	mg/g	Cedrol	< LOQ	0.001	0.003	mg/g
Cis-beta-Farnesene	0.14	0.001	0.003	mg/g	Cis-beta-Ocimene	< LOQ	0.001	0.003	mg/g
cis-Nerolidol	< LOQ	0.001	0.003	mg/g	Citral	< LOQ	0.001	0.003	mg/g
Citronellol	< LOQ	0.001	0.003	mg/g	Endo-fenchyl alcohol	0.19	0.001	0.003	mg/g
Eucalyptol	< LOQ	0.001	0.003	mg/g	Farnesol 1	1.04	0.001	0.003	mg/g
Farnesol 2	< LOQ	0.001	0.003	mg/g	gamma-Terpinene	< LOQ	0.001	0.003	mg/g
Geraniol	< LOQ	0.001	0.003	mg/g	Geranyl acetate	< LOQ	0.001	0.003	mg/g
Guaiol	0.7	0.001	0.003	mg/g	Isoborneol	< LOQ	0.001	0.003	mg/g
Isobornyl Acetate	< LOQ	0.001	0.003	mg/g	Isopulegol	< LOQ	0.001	0.003	mg/g
Limonene	1.6	0.001	0.003	mg/g	Linalool	0.59	0.001	0.003	mg/g
Menthol	< LOQ	0.001	0.003	mg/g	Menthone	< LOQ	0.001	0.003	mg/g
Nootkatone	< LOQ	0.001	0.003	mg/g	Octyl Acetate	< LOQ	0.001	0.003	mg/g
p-Cymene	< LOQ	0.001	0.003	mg/g	Phytane	< LOQ	0.001	0.003	mg/g
Piperitone	< LOQ	0.001	0.003	mg/g	Pulegone	< LOQ	0.001	0.003	mg/g
Sabinene	< LOQ	0.001	0.003	mg/g	Sabinene hydrate	< LOQ	0.001	0.003	mg/g
Safranal	< LOQ	0.001	0.003	mg/g	Squalene	< LOQ	0.001	0.003	mg/g
Terpinen-4-ol	< LOQ	0.001	0.003	mg/g	Terpinolene	< LOQ	0.001	0.003	mg/g
Thymol	< LOQ	0.001	0.003	mg/g	trans-beta-Farnesene	0.14	0.001	0.003	mg/g
trans-beta-Ocimene	0.29	0.001	0.003	mg/g	trans-Nerolidol	0.36	0.001	0.003	mg/g
Valencene	< LOQ	0.001	0.003	mg/g	Verbenone	< LOQ	0.001	0.003	mg/g
<b>Total Terpenes</b>	<b>16.87</b>	<b>0.001</b>	<b>0.003</b>	<b>mg/g</b>					

ND - Compound not detected, <LOQ - Results below the Limit of Quantitation  
Terpenes are not Accredited by ORELAP to TNI 2016



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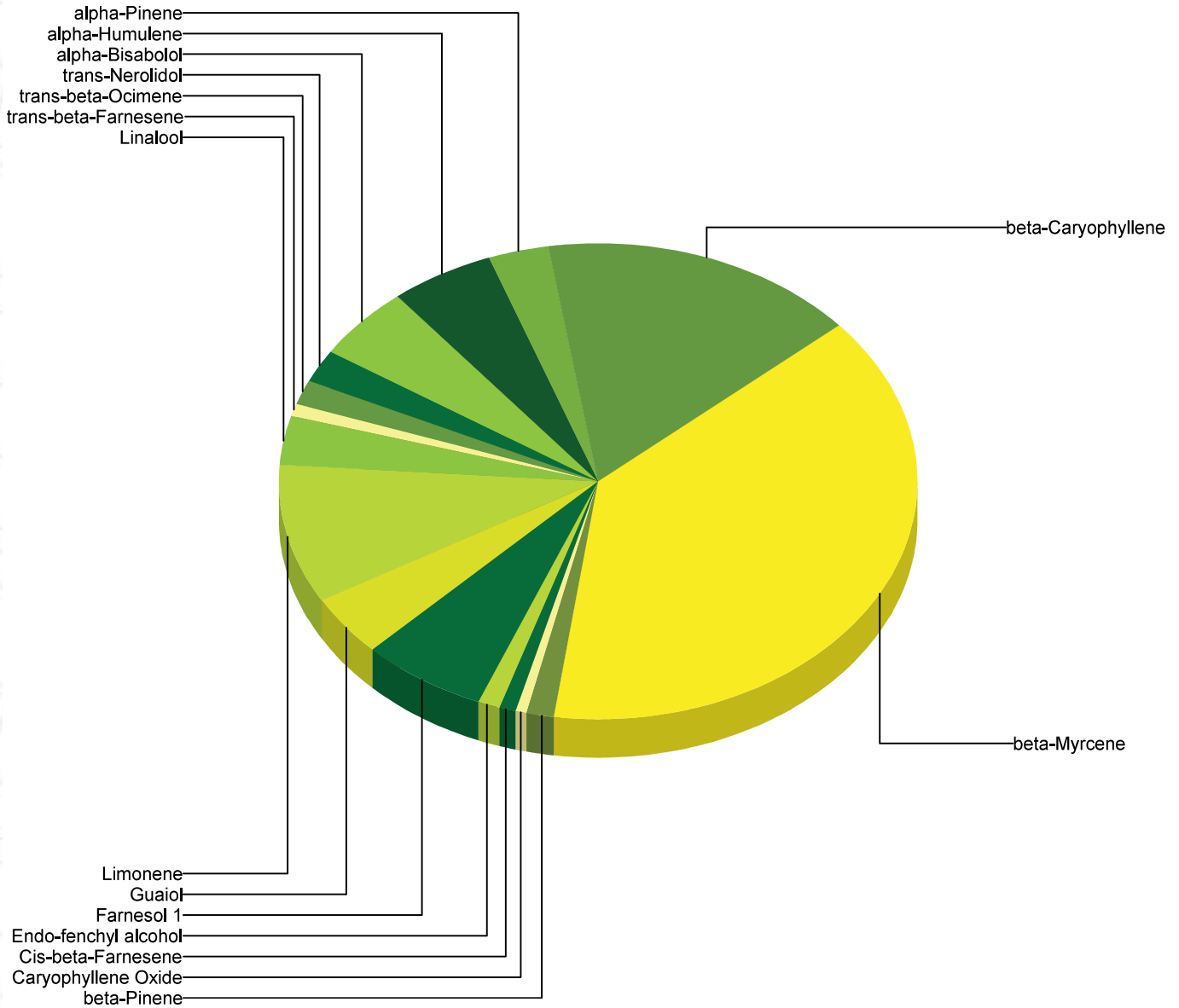


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Farm 10

### Terpene Profile



### Percentage of Total Terpenes Identified



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### Quality Control Potency

Batch: 2250042 - 215-Hemp

Blank(2250042-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		12/09/22 09:26	12/09/22 17:05	
THCA	< LOQ	5.000E-4	%		12/09/22 09:26	12/09/22 17:05	
delta 9-THC	< LOQ	0.0005	%		12/09/22 09:26	12/09/22 17:05	
delta 9-THC	< LOQ	5.000E-4	%		12/09/22 09:26	12/09/22 17:05	
delta 8-THC	< LOQ	0.004	%		12/09/22 09:26	12/09/22 17:05	
delta 8-THC	< LOQ	0.004490	%		12/09/22 09:26	12/09/22 17:05	
THCV	< LOQ	0.005	%		12/09/22 09:26	12/09/22 17:05	
THCV	< LOQ	0.005055	%		12/09/22 09:26	12/09/22 17:05	
THCVA	< LOQ	0.002	%		12/09/22 09:26	12/09/22 17:05	
THCVA	< LOQ	0.001885	%		12/09/22 09:26	12/09/22 17:05	
CBD	< LOQ	5.000E-4	%		12/09/22 09:26	12/09/22 17:05	
CBD	< LOQ	0.0005	%		12/09/22 09:26	12/09/22 17:05	
CBDA	< LOQ	0.0005	%		12/09/22 09:26	12/09/22 17:05	
CBDA	< LOQ	5.000E-4	%		12/09/22 09:26	12/09/22 17:05	
CBDV	< LOQ	0.005	%		12/09/22 09:26	12/09/22 17:05	
CBDV	< LOQ	0.005000	%		12/09/22 09:26	12/09/22 17:05	
CBDVA	< LOQ	0.002	%		12/09/22 09:26	12/09/22 17:05	
CBDVA	< LOQ	0.001640	%		12/09/22 09:26	12/09/22 17:05	
CBN	< LOQ	0.003	%		12/09/22 09:26	12/09/22 17:05	
CBN	< LOQ	0.002990	%		12/09/22 09:26	12/09/22 17:05	
CBG	< LOQ	0.0008	%		12/09/22 09:26	12/09/22 17:05	
CBG	< LOQ	7.900E-4	%		12/09/22 09:26	12/09/22 17:05	
CBGA	< LOQ	0.0008	%		12/09/22 09:26	12/09/22 17:05	
CBGA	< LOQ	7.900E-4	%		12/09/22 09:26	12/09/22 17:05	
CBC	< LOQ	0.008965	%		12/09/22 09:26	12/09/22 17:05	
CBC	< LOQ	0.009	%		12/09/22 09:26	12/09/22 17:05	

Reference(2250042-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	101	0.0005	%	90-110	12/09/22 09:26	12/09/22 17:28	
THCA	101	5.000E-4	%	90-110	12/09/22 09:26	12/09/22 17:28	
delta 9-THC	107	0.0005	%	90-110	12/09/22 09:26	12/09/22 17:28	
delta 9-THC	107	5.000E-4	%	90-110	12/09/22 09:26	12/09/22 17:28	
delta 8-THC	99.1	0.004	%	90-110	12/09/22 09:26	12/09/22 17:28	
delta 8-THC	99.1	0.004490	%	90-110	12/09/22 09:26	12/09/22 17:28	
CBD	100	5.000E-4	%	90-110	12/09/22 09:26	12/09/22 17:28	
CBD	100	0.0005	%	90-110	12/09/22 09:26	12/09/22 17:28	
CBDA	96.6	0.0005	%	90-110	12/09/22 09:26	12/09/22 17:28	
CBDA	96.6	5.000E-4	%	90-110	12/09/22 09:26	12/09/22 17:28	



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### Quality Control Terpene Analysis

Batch: 2250042 - 215-Hemp

Blank(2250042-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Camphene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Camphor	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
3-Carene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
beta-Caryophyllene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Caryophyllene Oxide	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
alpha-Cedrene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Cedrol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Endo-fenchyl alcohol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Eucalyptol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Geraniol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Geranyl acetate	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Guaiol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
alpha-Humulene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Isoborneol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Isopulegol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Limonene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Linalool	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
beta-Myrcene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
trans-Nerolidol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
alpha-Pinene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
beta-Pinene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Pulegone	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Sabinene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Sabinene hydrate	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
gamma-Terpinene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
alpha-Terpinene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Terpinolene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Valencene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Verbenone	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
trans-beta-Farnesene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
A-Terpineol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
cis-Nerolidol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Thymol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Terpinen-4-ol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Squalene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Safranal	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Piperitone	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	



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### Quality Control Terpene Analysis (Continued)

#### Batch: 2250042 - 215-Hemp (Continued)

Blank(2250042-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Phytane	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
p-Cymene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Octyl Acetate	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Nootkatone	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Menthone	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Menthol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Isobornyl Acetate	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Farnesol 1	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Carvone	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
alpha-Thujone	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Alpha-Phellandrene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
(+)-Borneol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
(-)-Borneol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Carvacrol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
trans-beta-Ocimene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Cis-beta-Ocimene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Citral	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Citronellol	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Farnesol 2	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	
Cis-beta-Farnesene	< LOQ	0.00025	%		12/09/22 09:26	12/09/22 18:26	

Reference(2250042-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
beta-Caryophyllene	89.3	0.00025	%	70-130	12/09/22 09:26	12/09/22 18:44	
alpha-Humulene	82.7	0.00025	%	70-130	12/09/22 09:26	12/09/22 18:44	
Limonene	82.2	0.00025	%	70-130	12/09/22 09:26	12/09/22 18:44	
beta-Myrcene	73.8	0.00025	%	70-130	12/09/22 09:26	12/09/22 18:44	

#### Batch: 2250051 - 103

Blank(2250051-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.400		%		12/09/22 15:02	12/09/22 15:02	

Blank(2250051-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.440		%		12/09/22 15:02	12/09/22 15:02	

Reference(2250051-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	107		%	80-120	12/09/22 15:02	12/09/22 15:02	

Reference(2250051-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes



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### Quality Control Moisture Content (Continued)

**Batch: 2250051 - 103 (Continued)**

Reference(2250051-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	98.0		%	80-120	12/09/22 15:02	12/09/22 15:02	



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### Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117. Quality Control samples were tested as received. Results do not include uncertainty of measurements. Available upon request.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
- BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
- BLK Analyte detected in method blank, but not associated samples.
- BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
- BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- CBD Interference due to co-elution
- CV1 CBD matrix interference on GC Pest chromatography
- CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
- INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
- ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
- ISL Internal Standard concentration is above acceptance criteria.
- MSH Internal Standard concentration is below acceptance criteria.
- MSI Matrix Spike High - Matrix Spike recovery above method limits.
- MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
- TPP
- U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.  
Internal Standard concentration outside control limit due to matrix interference



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