



Shake/Trim

Sample ID: G3F0469-01

Matrix: Industrial Hemp

Test ID: 5025494

Source ID:

Date Sampled: 06/29/23

Date Accepted: 06/29/23

Harvest/Prod. Date: 06.23.2023

Horn Creek Farms

Results at a Glance

Total THC : 0.39 %

Total CBD : 10 %

Total CBG : <LOQ (0.0009% dry) %

Percent Moisture : 9.75 % PASS



Eric Wendt
Chief Science Officer - 7/6/2023

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Horn Creek Farms
Potency Analysis by HPLC

Date/Time Extracted: 06/30/23 13:16 **Analysis Method/SOP:** 215 **Batch Identification:** 2326082

| | LOQ (%) | % by Wt. | mg/g | Cannabinoids Profile | |
|-------------|---------|----------|-------|----------------------|--|
| Total THC | 0.010 | 0.39 | 3.9 | | |
| Total CBD | 0.009 | 10 | 100 | | |
| Total CBG | 0.0009 | < LOQ | < LOQ | | |
| THCA | 0.0006 | 0.40 | 4 | | |
| delta 9-THC | 0.0006 | 0.039 | 0.39 | | |
| delta 8-THC | 0.005 | < LOQ | < LOQ | | |
| THCV | 0.006 | < LOQ | < LOQ | | |
| THCVA | 0.002 | < LOQ | < LOQ | | |
| CBD | 0.002 | 1.0 | 10 | | |
| CBDA | 0.002 | 10 | 100 | | |
| CBDV | 0.006 | < LOQ | < LOQ | | |
| CBDVA | 0.002 | 0.034 | 0.34 | | |
| CBN | 0.003 | < LOQ | < LOQ | | |
| CBG | 0.0009 | < LOQ | < LOQ | | |
| CBGA | 0.0009 | < LOQ | < LOQ | | |
| CBC | 0.010 | 0.091 | 0.91 | | |

Moisture

Date/Time Extracted: 06/30/23 14:13 **Analysis Method/SOP:** 103

Moisture: 9.75 % **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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Quality Control Potency

Batch: 2326082 - 215-Hemp

| Blank(2326082-BLK1) | | | | | | | |
|---------------------|--------|--------|-------|------------------|----------------|----------------|-------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| THCA | < LOQ | 0.0005 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| delta 9-THC | < LOQ | 0.0005 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| delta 8-THC | < LOQ | 0.004 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| THCV | < LOQ | 0.005 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| THCVA | < LOQ | 0.002 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| CBD | < LOQ | 0.0005 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| CBDA | < LOQ | 0.0005 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| CBDV | < LOQ | 0.005 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| CBDVA | < LOQ | 0.002 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| CBN | < LOQ | 0.003 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| CBG | < LOQ | 0.0008 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| CBGA | < LOQ | 0.0008 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |
| CBC | < LOQ | 0.009 | % | | 06/30/23 13:16 | 07/01/23 06:29 | |

| Reference(2326082-SRM1) | | | | | | | |
|-------------------------|------------|--------|-------|------------------|----------------|----------------|-------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| THCA | 91.9 | 0.0005 | % | 90-110 | 06/30/23 13:16 | 07/01/23 06:51 | |
| delta 9-THC | 93.5 | 0.0005 | % | 90-110 | 06/30/23 13:16 | 07/01/23 06:51 | |
| delta 8-THC | 91.9 | 0.004 | % | 90-110 | 06/30/23 13:16 | 07/01/23 06:51 | |
| CBD | 105 | 0.0005 | % | 90-110 | 06/30/23 13:16 | 07/01/23 06:51 | |
| CBDA | 92.3 | 0.0005 | % | 90-110 | 06/30/23 13:16 | 07/01/23 06:51 | |

Moisture Content

Batch: 2326077 - 103

| Blank(2326077-BLK1) | | | | | | | |
|---------------------|--------|-----|-------|------------------|----------------|----------------|-------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| Percent Moisture | 0.280 | | % | | 06/30/23 14:13 | 06/30/23 14:13 | |

| Blank(2326077-BLK2) | | | | | | | |
|---------------------|--------|-----|-------|------------------|----------------|----------------|-------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| Percent Moisture | 0.360 | | % | | 06/30/23 14:13 | 06/30/23 14:13 | |

| Reference(2326077-SRM1) | | | | | | | |
|-------------------------|------------|-----|-------|------------------|----------------|----------------|-------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| Percent Moisture | 80.1 | | % | 80-120 | 06/30/23 14:13 | 06/30/23 14:13 | |

| Reference(2326077-SRM2) | | | | | | | |
|-------------------------|------------|-----|-------|------------------|----------------|----------------|-------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| Percent Moisture | 88.8 | | % | 80-120 | 06/30/23 14:13 | 06/30/23 14:13 | |



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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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