



AMERICAN  
HEMPSEED

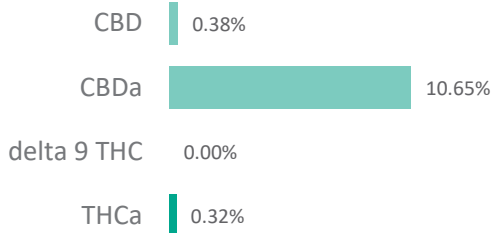
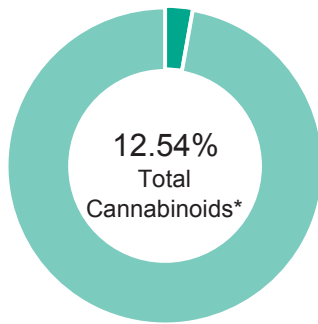
「APEXCBD」

- **Premium** high yielding **CBD** genetic
- Feminized with **99%+ germination rate**
- Bred for the American summer
- **7 weeks flowering** period
- 13.5% CBD, less than 0.3 % THC

## Apex CBD

|                  |             |                 |             |
|------------------|-------------|-----------------|-------------|
| <b>Batch ID:</b> |             | <b>Test ID:</b> | 7244047.006 |
| <b>Reported:</b> | 25-Sep-2019 | <b>Method:</b>  | TM14        |
| <b>Type:</b>     | Plant       |                 |             |
| <b>Test:</b>     | Potency     |                 |             |

## CANNABINOID PROFILE



| Compound                                     | LOQ (%) | Result (%)   | Result (mg/g) |
|--|---------|--------------|---------------|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.06    | 0.32         | 3.2           |
| Delta 9-Tetrahydrocannabinol (Delta 9THC)    | 0.03    | 0.00         | 0.0           |
| Cannabidiolic acid (CBDA)                    | 0.11    | 10.65        | 106.5         |
| Cannabidiol (CBD)                            | 0.06    | 0.38         | 3.8           |
| Delta 8-Tetrahydrocannabinol (Delta 8THC)    | 0.03    | 0.00         | 0.0           |
| Cannabinolic Acid (CBNA)                     | 0.08    | 0.00         | 0.0           |
| Cannabinol (CBN)                             | 0.04    | 0.00         | 0.0           |
| Cannabigerolic acid (CBGA)                   | 0.05    | 0.52         | 5.2           |
| Cannabigerol (CBG)                           | 0.03    | 0.00         | 0.0           |
| Tetrahydrocannabivarinic Acid (THCVA)        | 0.05    | 0.00         | 0.0           |
| Tetrahydrocannabivarin (THCV)                | 0.03    | 0.00         | 0.0           |
| Cannabidivarinic Acid (CBDVA)                | 0.10    | 0.00         | 0.0           |
| Cannabidivarin (CBDV)                        | 0.05    | 0.00         | 0.0           |
| Cannabichromenic Acid (CBCA)                 | 0.05    | 0.67         | 6.7           |
| Cannabichromene (CBC)                        | 0.05    | 0.00         | 0.0           |
| <b>Total Cannabinoids</b>                    |         | <b>12.54</b> | <b>125.40</b> |
| Total Potential THC**                        |         | 0.28         | 2.81          |
| Total Potential CBD**                        |         | 9.72         | 97.20         |

## NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

\* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

\*\* Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877))$$

$$\text{and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

## FINAL APPROVAL



 Sam Smith  
25-Sep-2019  
3:02 PM

PREPARED BY / DATE



 David Green  
25-Sep-2019  
3:38 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

| Sample No | Sample Information   | Test Requested / Test Method  | Result Parameters   |
|-----------|--|---|---|
| 220000626 | <b>Species:</b> Hemp, Industrial<br><b>Scientific Name:</b> Cannabis sativa<br><b>Variety:</b> Apex CBD<br><b>Lot:</b> NOT SPECIFIED<br><b>Batch:</b><br><b>Seed Size:</b> | <b>LIMS:</b><br><br><b>IL:</b><br><b>Tracking#:</b><br><b>Seeds/lb:</b> | Hemp Sexing (Seed)-PCR-DNA Seq.<br><br><br><br><br><br><br><br><br><br>Population Tested : 94<br>Population Reported : 92<br># of Females : 92<br># of Males : 0<br># of Missing Data : 2<br>% Female : 100<br>% Male : 0 |

Report Comment:

Eurofins BioDiagnostics, Inc. warrants that it uses due care when performing tests for its customers. However, testing results are only reflective of the sample submitted by the customer. Eurofins BioDiagnostics, Inc. does not warrant the sample is representative of the seed lot from which the sample is drawn. Except for the testing services provided, Eurofins BioDiagnostics, Inc. makes no warranties or guarantees of any kind, expressed or implied, with respect to the services rendered.



*Thank you for your business !*



Russell Maxwell  
 Genetic Services

|   |  |  |                             |  |  |                           |  |  |                        |                                  |  |
|---|--|--|-----------------------------|--|--|---------------------------|--|--|------------------------|----------------------------------|--|
| Sample No<br><b>220001068</b>   |  |  | Date Received<br>01/27/2020 |  |  | Report Date<br>02/08/2020 |  |  | Sender's Information:* |                                  |  |
|   |  |  |                             |  |  |                           |  |  | Kind:                  | Hemp, Industrial-Cannabis sativa |  |
| <b>Test(s) Requested:</b> SST Warm 400 seed AOSA                                |  |  |                             |  |  |                           |  |  | Seed Size:             | Not Stated                       |  |
|   |  |  |                             |  |  |                           |  |  | Bag Weight:            | Not Stated                       |  |
|   |  |  |                             |  |  |                           |  |  | Size of Lot:           | Not Stated                       |  |
|   |  |  |                             |  |  |                           |  |  | Batch:                 | Not Stated                       |  |
|   |  |  |                             |  |  |                           |  |  | LIMS:                  | Not Stated                       |  |
|   |  |  |                             |  |  |                           |  |  | IL:                    | Not Stated                       |  |
|   |  |  |                             |  |  |                           |  |  | Customer Tracking#:    | Not Stated                       |  |
| *The information provided here is that of the sender and not of the laboratory. |  |  |                             |  |  |                           |  |  |                        |                                  |  |

## Laboratory Test Results

| Test Conducted | % Normal | % Dormant | % Hard | % Abnormal | % Dead | % Total Viable | Seeds Tested | Days Tested | Date Completed | Rules Followed   |
|----------------|----------|-----------|--------|------------|--------|----------------|--------------|-------------|----------------|--|
| Warm           | 99.00    | 0.00      | 0.00   | 1.00       | 0.00   | 99.00          | 400          | 10          | 02/07/2020     | Prechilled for 3 days at 10C. AOSA: Planted for 10 days at 20-30C on rolled towels wetted with DI Water. |

Comments:

| Purity Analysis      |                | Kind          | No. Found | No./lb                |  |
|----------------------|----------------|---------------|-----------|-----------------------|--|
| <u>Not Conducted</u> | grams analyzed |               |           |                       |  |
| Other Crop Seed:     |                |               |           |                       |  |
|                      |                | Kind          | No. Found |                       |  |
| Common Weed Seed:    |                | Inert Matter: |           |                       |  |
|                      |                | Kind          | No. Found | Other Determinations: |  |
|                      |                |               |           |                       |  |

Report Comment:



Issued By  
**Terry Dunfield**  
 Registered Seed Technologist

*Terry Dunfield* RST  
 Authorized Signature  
 Registered Seed Technologist, Seal No.9

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