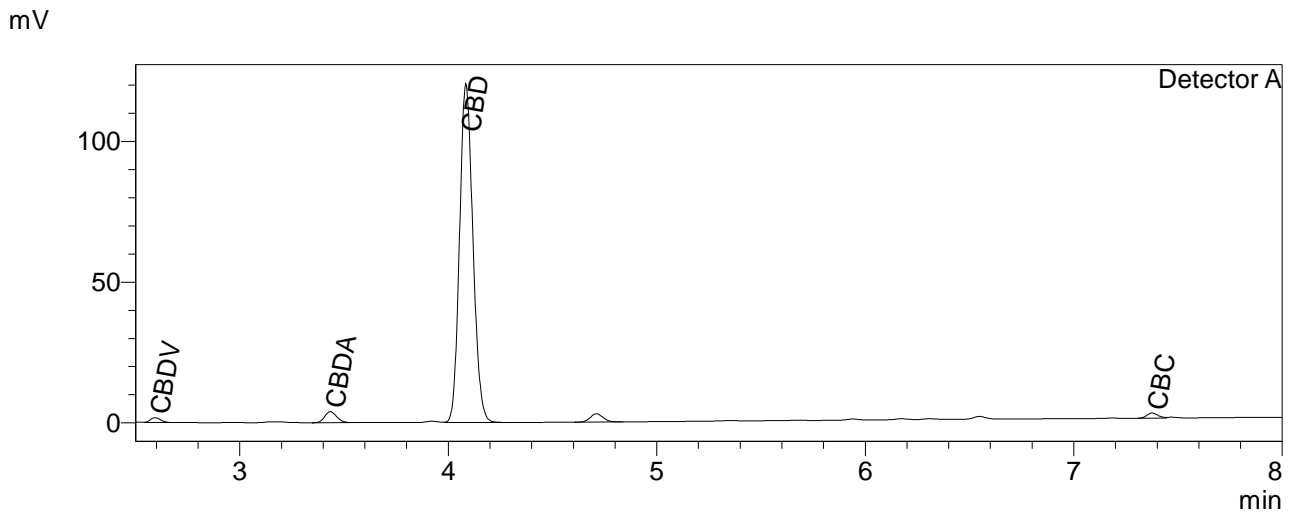




## CERTIFICATE OF ANALYSIS

### Chromatogram



#### Quantitative Results

Compound Name	Concentration, %
CBDV	0.194
CBDA	0.401
CBGA	--
CBG	--
CBD	17.947
THCV	--
CBN	--
CBC	0.259
THCA-A	--

-- — compound not detected.

#### Sample information

**Batch number:** GK 15  
**Product description:** Hemp Drops 1800 DC  
**Product type:** Decarboxylated  
**Total CBD concentration:** 18 % (1800 mg)  
**Manufacture date:** April 2020

#### Summary

<b>Total CBD (CBD + CBDa)</b>	<b>18.30</b>	<b>%</b>
<b>Total CBD (CBD + CBDa)</b>	<b>182.99</b>	<b>mg/g</b>

Instrumental and analytical conditions.

Sample preparation: 0.01 g ( $\pm 0.00001$ ) of homogenous sample was diluted with 1 mL of HPLC grade methanol. Diluted sample was mixed, vortexed and centrifuged. Then the mixture was diluted again to a final concentration of 0.1 mg/mL. Peak identification and quantification was performed by comparing retention times and UV absorption spectra of the samples with those of the standard solutions.

Equipment: Quantitative analysis was performed using Shimadzu Cannabis Analyzer for Potency - an integrated HPLC system with built-in sample cooler, degasser, autoinjector and UV detector. NexLeaf CBX for potency, 2.7  $\mu$ m, 4.6 x 150 mm column coupled with NexLeaf CBXGuard column was eluted by using a mixture of mobile phase A (0.085% phosphoric acid in water) and mobile phase B (0.085% phosphoric acid in Acetonitrile) with a flow rate of 1.6 mL/min at 35°C. Sample injection volume was set to 5  $\mu$ L. Gradient program was used - 70% B for 3 min, 70-85% B over 4 min, 85-95% B over 0.01 min; 95% B for 0.99 min; 95-70% B over 0.01 min; 70% B for 1.99min. Data was analyzed using Shimadzu LabSolutions software.