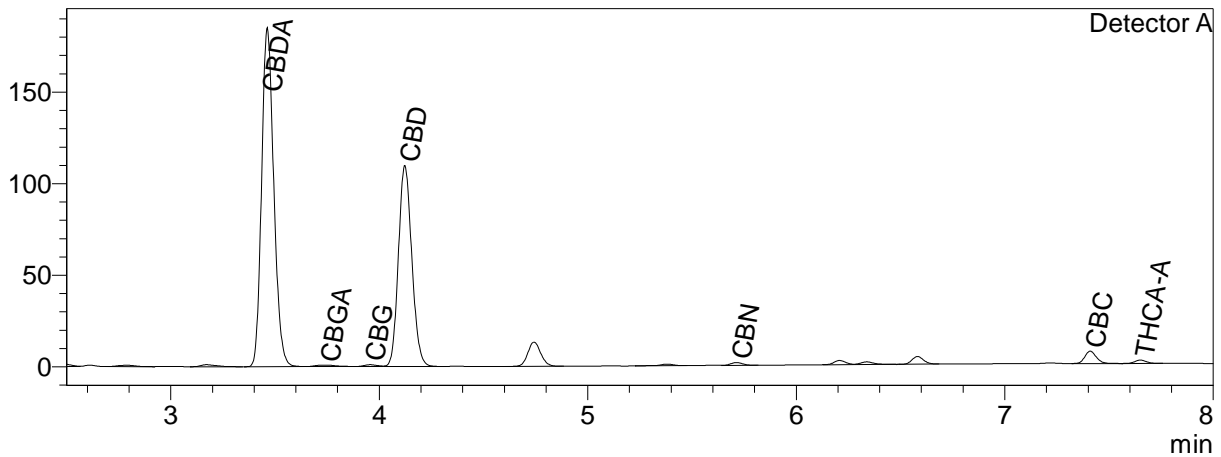




## CERTIFICATE OF ANALYSIS

### Chromatogram

mV



### Quantitative Results

Compound Name	Concentration, %
CBDV	--
CBDA	4.697
CBGA	0.042
CBG	0.043
CBD	4.243
THCV	--
CBN	0.055
CBC	0.222
THCA-A	0.065

-- — compound not detected.

### Sample information

**Batch number:** GK 12  
**Product description:** Hemp Drops 800 R  
**Product type:** RAW  
**Total CBD concentration:** 8 % (800 mg)  
**Manufacture date:** April 2020

### Summary

<b>Total CBD (CBD + CBDa)</b>	<b>8.36</b>	<b>%</b>
<b>Total CBD (CBD + CBDa)</b>	<b>83.63</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  $\mu\text{m}$ , 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  $\mu\text{L}$ . 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.