



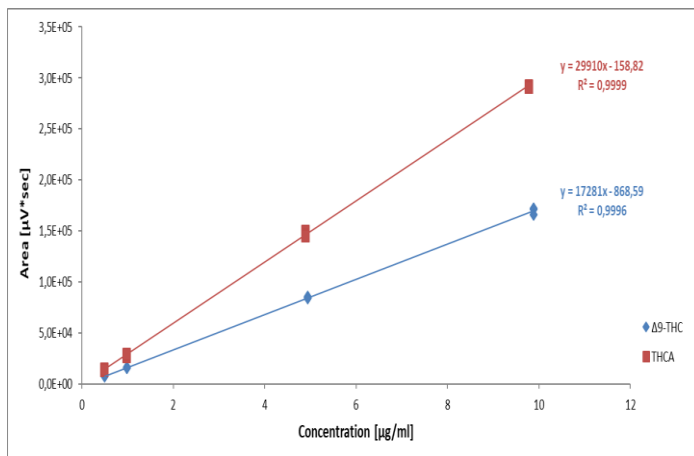
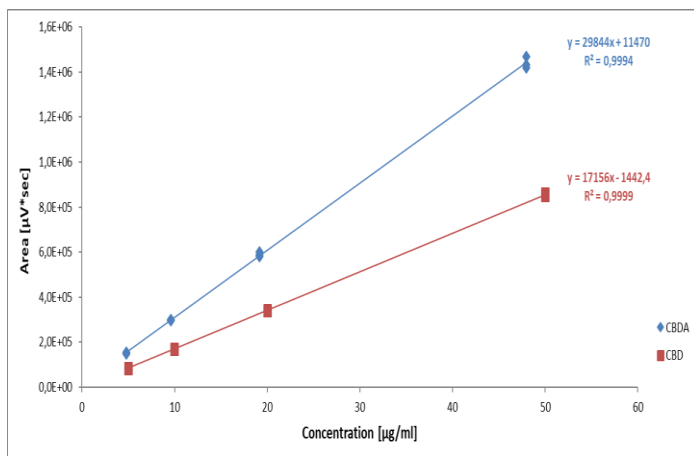
**ŁUKASIEWICZ RESEARCH NETWORK
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QUALITY CERTIFICATE 203/2019

Type of sample: Oil
Sample name /Batch: CBD 20% + CBG 3% - 5908224736512 (CL/39/19) oil
Client's name: A-SENSE Sp. z o.o.
No sample identification: 53/2019/21
Date of start testing: 23.10.2019
Date of end testing: 24.10.2019
Operator: E. Józwick

Calibration:



Test results¹⁾:

| | |
|--|-------------------------------|
| CBDV (cannabidivarine) | <u>0,153 ± 0,005 % (w/w)</u> |
| CBDA (cannabidiolic acid) | <u>< L.O.D.</u> |
| CBG (cannabigerol) | <u>2,683 ± 0,064 % (w/w)</u> |
| CBD (cannabidiol) | <u>20,597 ± 0,842 % (w/w)</u> |
| CBN (cannabinol) | <u>< L.O.D.</u> |
| Δ-9-THC (delta-9-tetrahydrocannabinol) | <u>< L.O.Q.</u> |
| Δ-8-THC (delta-8-tetrahydrocannabinol) | <u>< L.O.D.</u> |
| CBC (cannabichromene) | <u>< L.O.D.</u> |
| THCA (delta-9-tetrahydrocannabinolic acid) | <u>< L.O.D.</u> |

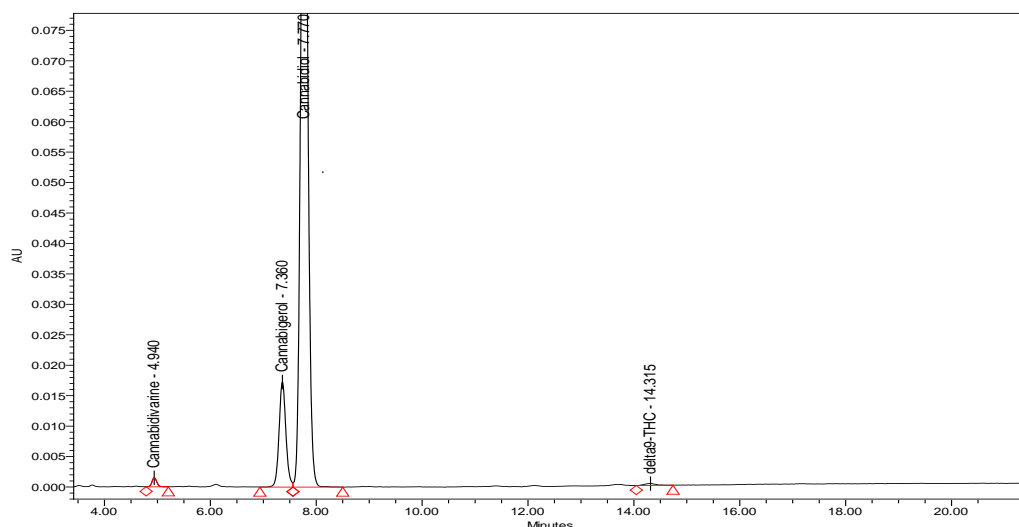
$\Sigma\text{THC} = \text{THC} + (0,8772 \times \text{THCA})$ < L.O.Q.

L.O.Q (limit of quantification) = 0,150% (w/w)

L.O.D (limit of detection) = 0,063% (w/w)

¹⁾ the given extended uncertainty (U) is based on standard uncertainty multiplied by extension factor k=2 providing confidence level of 95%. Sampling uncertainty was not taken into account in calculations.

According to the High Performance Liquid Chromatography (HPLC) method with a Photodiode Array Detector (PAD)



It declares that the above results relate only to the sample identification number 53/2019/21, and that without the written consent of the Head of the Laboratory of Analytical certificate may not be reproduced otherwise than in its entirety.

Date of issue: 25.10.2019

Mazurek

Quality manager: Barbara Mazurek

END