

ANALYSIS REPORT

| Particulars of the Client | Description of the determination | Order number |
|---|--|-------------------|
| EMEN MACIEJ NIEMCZYK ul. Luboszycka 36 45-215 Opole | Determination of CBDV, CBDVA, CBG, CBD, THCV, CBDA, CBGA, CBN, Δ9-THC, Δ8-THC, THCVA, CBC, THCA, CBCA. | ZO 2019/10/000102 |

The analyses have been conducted by:
Laboratorium Analiz Chemicznych Spark-Lab Sp. z o.o.
Research and Development Dept.

| | |
|------------------------------------|------------|
| Date of receipt of samples | 04.11.2019 |
| Data of commencement of analyses | 05.11.2019 |
| Date of completion of the analyses | 08.11.2019 |

Sample identification:

| Sample signature | Client's designation | Sample collection method | Additional information |
|------------------|--|--------------------------------|------------------------|
| 2019/11/0003/002 | 5% CBD Biokonopia 1916-01-0502-02 10/2020 | Sample collected by the client | Not applicable |

Results:

| Sample signature | Subject of determination | Method identification* | The result of the analysis | Uncertainty | Unit |
|------------------|--------------------------|------------------------|----------------------------|-------------|------|
| 2019/11/0003/002 | CBD | SL/2019/036, NA | 6,5 | 0,7 | % |
| | CBDA | | 0,026 | 0,003 | |
| | CBG | | 0,11 | 0,02 | |
| | CBGA | | < 0,005 | — | |
| | CBDV | | 0,24 | 0,05 | |
| | CBDVA | | < 0,005 | — | |
| | CBN | | 0,019 | 0,004 | |
| | CBC | | 0,16 | 0,03 | |
| | CBCA | | < 0,005 | — | |
| | Δ9 - THC | | 0,17 | 0,03 | |
| | Δ8 - THC | | < 0,005 | — | |
| | THCV | | 0,008 | 0,002 | |
| | THCVA | | < 0,005 | — | |
| | THCA | | < 0,005 | — | |
| | ΣCBD | | 6,5 | 0,7 | |
| | ΣTHC | | 0,17 | 0,03 | |
| ΣCBG | 0,11 | 0,02 | | | |

* Determination method: A-accredited, NA-non-accredited, AS-accredited by the subcontractor, NAS-not accredited by the subcontractor.

Additional information:

Abbreviations and applied formulas for the calculation of the sum:

| | |
|---------------------------------------|---------------------------------------|
| CBD – Cannabidiol | CBDA – Cannabidiolic acid |
| CBG – Cannabigerol | CBGA – Cannabigerolic acid |
| CBDV – Cannabidivarin | CBDVA – Cannabidivarinic acid |
| CBN – Cannabinol | CBC – Cannabichromene |
| CBCA – Cannabichromenic acid | Δ9-THC – Delta-9-tetrahydrocannabinol |
| Δ8-THC – Delta-8-tetrahydrocannabinol | THCA – Tetrahydrocannabinolic acid |
| THCV – Tetrahydrocannabivarin | THCVA – Tetrahydrocannabivarinic acid |

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$$\Sigma\text{THC} = \% \text{THC} + (\% \text{THCA} \times 0,877)$$

$$\Sigma\text{CBD} = \% \text{CBD} + (\% \text{CBDA} \times 0,877)$$

$$\Sigma\text{CBG} = \% \text{CBG} + (\% \text{CBGA} \times 0,878)$$

Chromatograms:

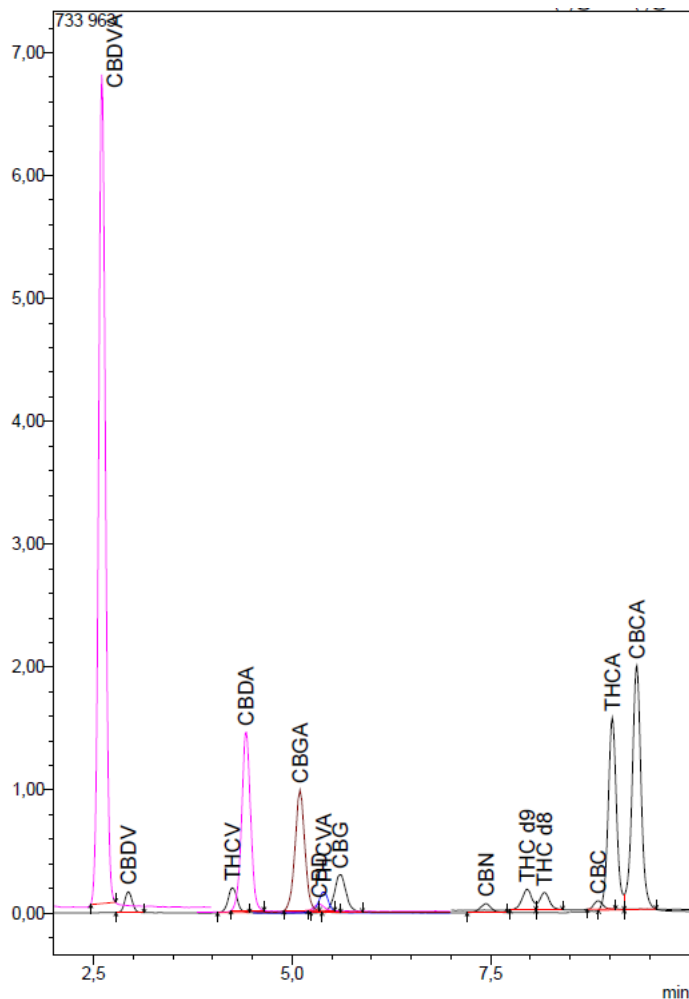


Fig. 1. Chromatogram of standard mixture (CBD, THC and derivatives).

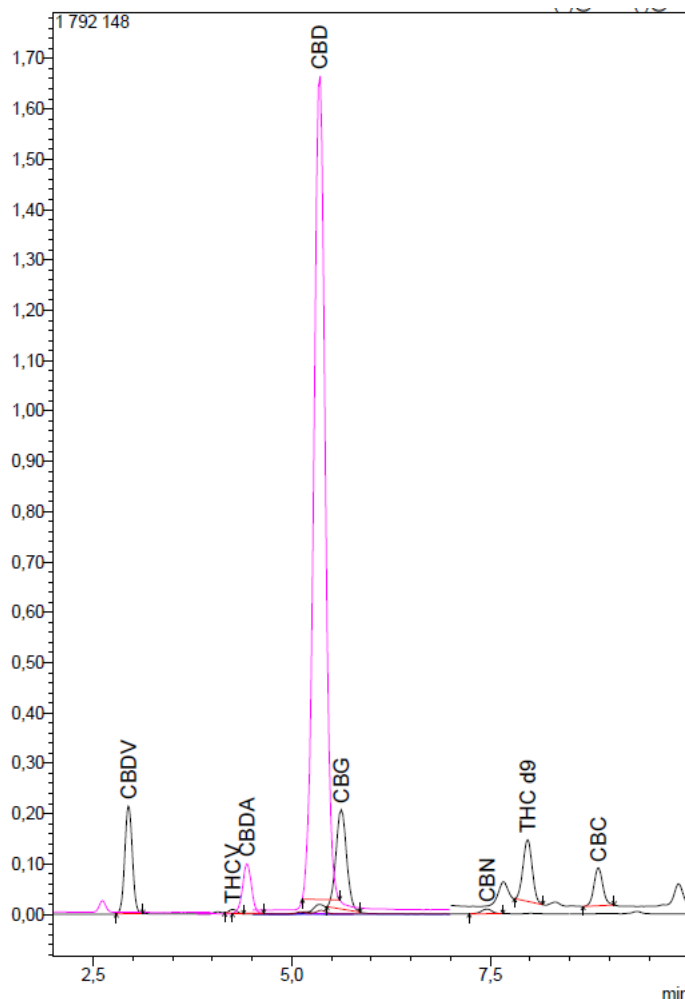


Fig. 2 . Chromatogram of sample 2019/11/0003/002.

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| <p>Approved of the results and report</p> | | |
|--|--|--|

END OF REPORT

The Client has the right to submit complaints within 14 days from the date of receipt of the Report in digital form. The laboratory gives measurement uncertainty when it is relevant to the validity of the analyses result or for compliance with the specified limit values and at the Client's request. The report may not be published, in whole or in part, without the written consent of Laboratorium Analiz Chemicznych Spark-Lab Sp. z o.o. The report may not be reproduced or distributed, in part, without the prior written permission of the Laboratorium Analiz Chemicznych Spark-Lab Sp. z o.o. The obtained result applies only to the tested (received) samples. The laboratory is not responsible for the collection and transport of the sample if the sample has been collected and provided by the Client. The tests results do not include the sampling stage.