

ANALYSIS REPORT

Particulars of the Client	Description of the determination	Order number
Planet Hemp Radosław Budzik ul. Wiśniowa 6/10 m. 47 02-563 Warszawa	Quantitative determination of CBD, CBDA, CBDV, CBDVA, CBG, CBGA, CBN, THC, THCVA, Δ9-THC, Δ8-THC, CBC, THCA, CBCA in oil sample.	ZO 2020/07/000048

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

Date of receipt of samples	22.07.2020
Date of commencement of analyses	23.07.2020
Date of completion of the analyses	04.08.2020

**Sample identification:**

Sample signature	Client's designation	Sample collection method	Additional information
2020/07/0030/005	Vibe Up; LOT: HJ720	Sample collected by the client	Not applicable

**Results:**

Sample signature	Subject of determination	Method identification*	The result of the analysis	Uncertainty	Unit
2020/07/0030/005	CBD	modified SL/2019/036, ed. 1 of 06.12.2019, NA	304	25	mg in 10ml of sample
	CBDA		52	5	
	CBG		8,0	1,9	
	CBGA		< 0,47	0,11	
	CBDV		2,8	0,7	
	CBDVA		1,1	0,3	
	CBN		5,1	1,2	
	Δ9 - THC		15	4	
	Δ8 - THC		< 0,47	0,11	
	THCV		< 0,38	0,09	
	THCVA		not analysed		
	THCA		0,91	0,21	
	CBC		13	3	
	CBCA		3,1	0,8	
	ΣCBD		307	25	
ΣTHC	16	4			
ΣCBG	8,4	2,0			

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

**Supplements, method deviations:**

- Matrix of analysed sample was different than sample matrix described in SL/2019/036 ed. 1 of 06.12.2019.
- Method SL/2019/036 ed. 1 of 06.12.2019 was expanded with extra analytes: CBC, CBCA.
- Determination of THCVA was not possible due to high CBD content.
- Determination of THC d8 was increased due to high THC d9 content.
- Results are presented in mg/10 ml of sample instead of %.

**Additional information:**

Abbreviations and applied formulas for the calculation of the sum:

CBD – Cannabidiol  
CBG – Cannabigerol

CBDA – Cannabidiolic acid  
CBGA – Cannabigerolic acid

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CBDV – Cannabidivarin

CBN – Cannabinol

 $\Delta$ 8-THC – Delta-8-tetrahydrocannabinol

THCV – Tetrahydrocannabivarin

CBC – Cannabichromene

CBDVA –Cannabidivarinic acid

THCA – Tetrahydrocannabinolic acid

 $\Delta$ 9-THC – Delta-9-tetrahydrocannabinol

THCVA – Tetrahydrocannabivarinic acid

CBCA – Cannabichromenic acid

 $\Sigma$ THC = % THC + (% THCA x 0,877) $\Sigma$ CBD = % CBD + (% CBDA x 0,877) $\Sigma$ CBG = % CBG + (% CBGA x 0,878)

<b>Approved of the results and report</b>		
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## 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.