HELLENIC REPUBLIC
National and Kapodistrian University of Athens
EST. 1837

Athens 18th September 2024

Certificate of Analysis

SUBJECT: "Analysis of a CBD based oil sample for the determination of cannabinoids"

REF.: Information Sheet concerning a request for analysis of cannabinoids received on 09/09/2024

Please find below the results of the determination of eleven (11) cannabinoids, namely cannabidiol (CBD), delta-9-tetrahydrocannabinol (Δ^9-THC), delta-8-tetrahydrocannabinol (Δ^8-THC), delta-9-tetrahydrocannabinolic acid (Δ^9-THCA), cannabidiolic acid (CBDA), cannabinol (CBN), cannabigerol (CBG), cannabichromene (CBC), cannabidivarin (CBDV), cannabigerolic acid (CBGA), tetrahydrocannabivarin (THCV), of the cannabis based oil samples received from the Laboratory of Pharmacognosy, Department of Pharmacy for analysis on 09/09/2024 with the Ref. document addressed above.

Type of sample:	Cannabis-based oil samples. Samples were sent without replicates.
Sample condition:	The samples were received in good condition.
Responsible for sampling:	No relevant information is provided in the referenced document.
Sample origin:	Produced in Greece
Delivery date:	09.09.2024
Protocol No:	ΥΔ 1113 / 09.09.2024
Laboratory sample No	Δ-13/24
Analytical Method:	In-house method - Determination of cannabinoids in hemp and cannabis-based samples with HPLC-UV
Date of sample preparation:	10.09.2024
Test date:	11.09.2024

Analysis Results:

Cannabis based oils

Analysis of cannabinoids was conducted using High Performance Liquid Chromatography coupled to a UV/Vis detector (HPLC-UV technique). The results are presented in Table 1.

Table 1. Content of cannabinoids expressed as percent (% w/w)

	%
Analyte (Tested compound)	***Sample:*** Δ-13/24
Cannabidiol (CBD)	17.50
delta-9-Tetrahydrocannabinol (Δ^9-THC)	<LOQ
delta-8-Tetrahydrocannabinol (Δ^8-THC)	<LOD
delta-9-Tetrahydrocannabinolic acid (Δ^9-THCA)	<LOD
Cannabidiolic acid (CBDA)	0.06
Cannabinol (CBN)	0.01
Cannabigerol (CBG)	<LOQ
Cannabichromene (CBC)	0.01
Cannabidivarin (CBDV)	<LOD
Cannabigerolic acid (CBGA)	<LOD
Tetrahydrocannabivarin (THCV)	<LOD

1.LOD: Limit of Detection

2.LOQ: Limit of Quantification

3. The LOQ for all compounds in the specific method is established at 0,001 g analyte/100 ml sample.

Digitally signed

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18.09.2024

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