

Laboratorio Hemp Lab
Juan B. Justo 4420, Mar del Plata, 7600
Tel: 1125713534

HEMP
LAB ★

REPORT

CUSTOMER INFORMATION

Name/Company name	PLANTAR CIENCIA
e-mail	-
Celular	2215733188
Type of analysis	CANNABINOIDS

INFORMACIÓN DE LA MUESTRA

Sample type	EXTRACT
ID muestra	EX02
Descripción de la muestra	Acetonic extract of Deep Mandarin
Sample arrival	04/04/22
Date of analysis	07/04/22

ANALYTICAL METHODS

EQUIPMENT

High Performance Liquid Chromatography(HPLC)

Brand: Shimadzu

Model: LC-2050

MATERIALES

Reference standards: neutral mix with 8 components (CBC, CBD, CBDV, CBG, CBN, delta8THC, delta9THC, THCV)

Brand: Cerilliant

RESULTS

Cannabinoid	Concentration (mg/mL)	Concentration (%)
CBDV	<1	<0.1
CBG	<1	<0.1
CBD	3.81	0.38
THCV	ND	ND

CBN	<1	<0.1
delta9THC	5.35	0.54
Delta8THC	ND	ND
CBC	<1	<0.1

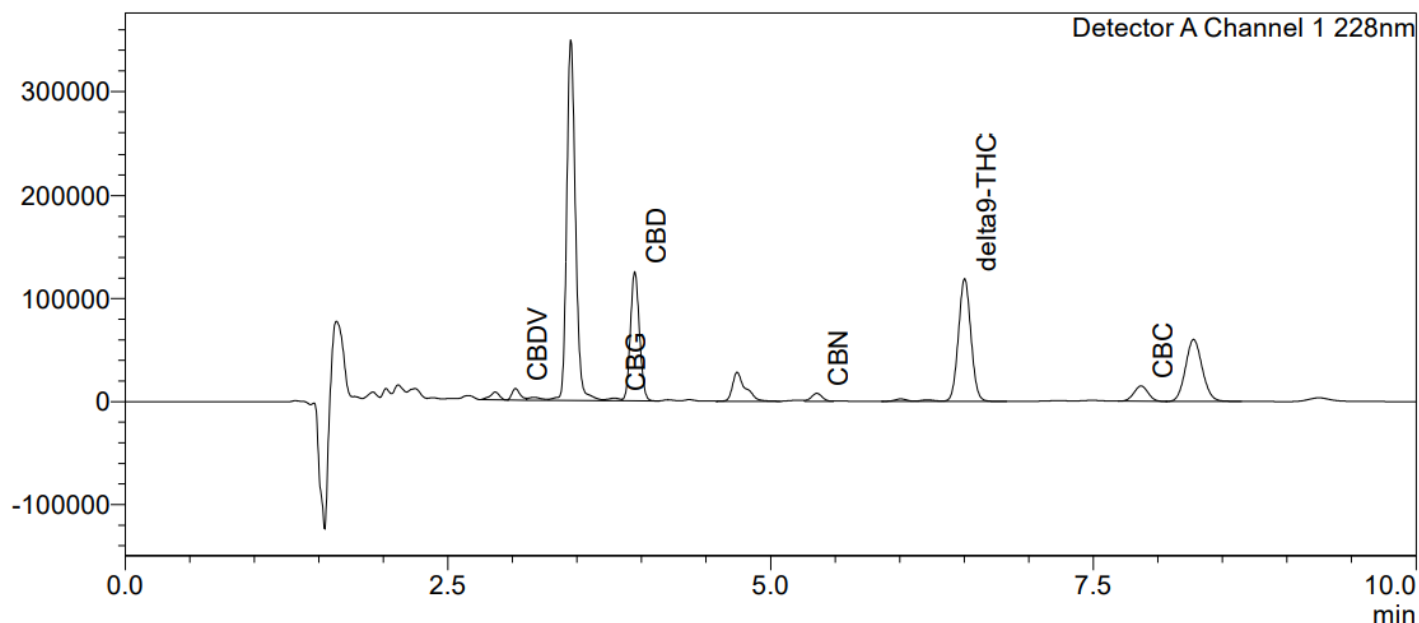
The concentration values, expressed in milligrams per milliliter (mg/mL), have to do with the amount of each of the cannabinoids present in the sample..

The values reported as concentration (%) have to do with the percentage amount of each cannabinoid present in the sample.

ND: No Detectable.

CHROMATOGRAM

uV



OBSERVATIONS:

THROUGH THE ANALYSIS OF THE CHROMATOGRAM, IT WAS POSSIBLE TO VISUALIZE THAT THE ACIDIC FORMS OF THE CANNABINOIDS CBD AND DELTA9-THC ARE PRESENT IN THE SAMPLE: CBDA AND THCA RESPECTIVELY.

The results contained in this document only apply to the samples tested as received in the laboratory.

The laboratory is not responsible for the information provided by the client

Partial reproduction of the report is prohibited without the written approval of the laboratory

Pilar Díaz

Laboratorio Hemp Lab
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REPORT

CUSTOMER INFORMATION

Nmae/Company name	PLANTAR CIENCIA
e-mail	-
Celular	2215733188
Type of analysis	CANNABINOIDS

SAMPLE INFORMATION

Sample type	EXTRACT
ID sample	EX 03
Descripción	Ethanollic extract of Deep Mandarine
Sample arrival date	04/04/22
Date of analysis	07/04/22

MÉTODO ANALÍTICO

EQUIPO

EQUIPMENT

High Performance Liquid Chromatography(HPLC)

Brand: Shimadzu

Model: LC-2050

MATERIALES

Reference standards: neutral mix with 8 components (CBC, CBD, CBDV, CBG, CBN, delta8THC, delta9THC, THCV)

Brand: Cerilliant

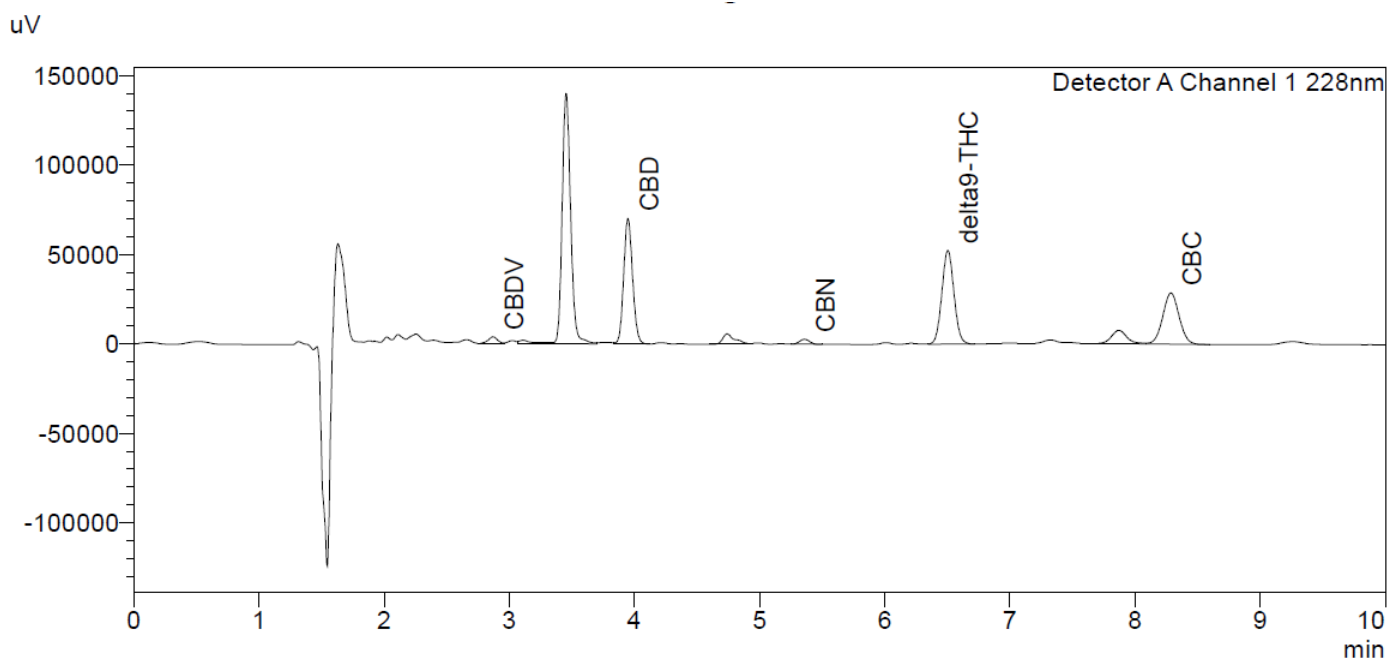
RESULTS

Cannabinoid	Concentration (mg/mL)	Concentration (%)
CBDV	< LOQ	< LOQ
CBG	< LOD	< LOD
CBD	1.792	0.179
THCV	< LOD	< LOD

CBN	< LOQ	< LOQ
delta9THC	1.956	0.196
Delta8THC	< LOD	< LOD
CBC	0.621	0.062

The concentration values, expressed in milligrams per milliliter (mg/mL), have to do with the amount of each of the cannabinoids present in the sample. The values reported as concentration (%) have to do with the percentage amount of each cannabinoid present in the sample. ND: No Detectable.

CROMATOGRAMA



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Pilar Díaz
Directora Técnica

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Tel: 1125713534

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REPORT

CUSTOMER INFORMATION

Name/Company name	PLANTAR CIENCIA
e-mail	plantarcienciaargentina@gmail.com
Cellular	-
Type of analysis	TERPENES

SAMPLE INFORMATION

Sample type	EXTRACTO CANNABIS
ID sample	EX 02
Sample Description	ACETONE EXTRACT OF DEEP MANDARINE
Sample arrival date	04/04/22
Date of Analysis	05/05/22

ANALYTICAL METHOD

EQUIPMENT

GC + detector FID
Brand: Shimadzu
Model: QP2020 NX

MATERIALS

Certified reference standards: mix of 19 terpenes (alpha-Pinene, Camphene, (-)-beta-Pinene, beta-Myrcene, delta-3-Carene, alpha-Terpinene, p-Cymene, d-Limonene, Ocimene, gamma-Terpinene, Terpinolene, Linalool, (-)-Isopulegol, Geraniol, beta-Caryophyllene, alpha-Humulene, Nerolidol, (-)-Guadiol, (-)-alpha-Bisabolol)
Brand: Restek

RESULTADOS

Terpeno	Concentración (ppm)
Alpha-Pinene	36.584
Camphene	ND
(-)-Beta-Pinene	149.792
Beta-Myrcene	ND
Delta-3-Carene	ND
Alpha-Terpinene	ND
Ocimene 1	ND
d-Limonene	178.431
p-Cymene	ND
Ocimene 2	278.486
Gamma-Terpinene	ND
Terpinolene	ND
Linalool	60.285
(-)-Isopulegol	ND
Geraniol	ND
Beta-Caryophyllene	418.159
Alpha-Humulene	140.994
Nerolidol 1	<25
Nerolidol 2	64.596
(-)-Guaio	<25
(-)-Alpha-Bisabolol	95.529

The concentration values, expressed in ppm, have to do with the amount of each of the terpenes that are present in the sample.

LOD (Limit of Detection): The limit of detection is the lowest concentration of analyte that can be detected, but not necessarily quantified, in a sample under established experimental conditions.

LOQ (Limit of Quantification): The limit of quantification is the lowest concentration of analyte that can be determined with precision and accuracy in a sample, under the established experimental conditions.

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Ing. Química

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REPORT

CUSTOMER INFORMATION

Name/Company name	PLANTAR CIENCIA
e-mail	plantarcienciaargentina@gmail.com
Cellular	-
Type of analysis	TERPENES

SAMPLE INFORMATION

Sample type	CANNABIS EXTRACT
ID sample	EX 03
Description of the sample	ETANOLIC EXTRACT of DEEP MANDARINE
Date of arrival	04/04/22
Date of Analysis	05/05/22

ANALYTICAL METHOD

EQUIPMENT

GC + detector FID
Brand: Shimadzu
Model: QP2020 NX

MATERIALS

Certified standards: mix of 19 terpenes (alpha-Pinene, Camphene, (-)-beta-Pinene, beta-Myrcene, delta-3-Carene, alpha-Terpinene, p-Cymene, d-Limonene, Ocimene, gamma-Terpinene, Terpinolene, Linalool, (-)-Isopulegol, Geraniol, beta-Caryophyllene, alpha-Humulene, Nerolidol, (-)-Guadiol, (-)-alpha-Bisabolol)
Brand: Restek

RESULTADOS

Terpeno	Concentración (ppm)
Alpha-Pinene	<25
Camphene	ND
(-)-Beta-Pinene	105.606
Beta-Myrcene	ND
Delta-3-Carene	ND
Alpha-Terpinene	ND
Ocimene 1	ND
d-Limonene	55.074
p-Cymene	ND
Ocimene 2	51.153
Gamma-Terpinene	ND
Terpinolene	ND
Linalool	<25
(-)-Isopulegol	ND
Geraniol	ND
Beta-Caryophyllene	138.995
Alpha-Humulene	50.137
Nerolidol 1	ND
Nerolidol 2	<25
(-)-Guaiol	<25
(-)-Alpha-Bisabolol	<25

The concentration values, expressed in ppm, have to do with the amount of each of the terpenes that are present in the sample.

LOD (Limit of Detection): The limit of detection is the lowest concentration of analyte that can be detected, but not necessarily quantified, in a sample under established experimental conditions.

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