



INSTITUTE
OF ORGANIC CHEMISTRY
WITH CENTRE OF PHYTOCHEMISTRY
Bulgarian Academy of Sciences

IOCCP No. 1034 / 24.09.2019r

Protocol of analysis

Applicant: Dragonfly Biosciences Bulgaria

Subject of the test: Determination of CBD content in the examples provided

Product name: Dragonfly CBD 11.1% N.S. Cannabidiol oil
Batch number: 1009

CANNABINOIDS %		
CBDA	CBD	CBN
-	13.0226 %	-
THCA and THC are not detectable		

Method of analysis in accordance with recommended practice of



High Performance Liquid Chromatography (HPLC) analysis carried out strictly following the "Recommended methods for the identification and analysis of cannabis and cannabis products" by United Nations Office on Drug and Crime.
Method used: HPLC, column LiChrospher 60 RP-select B, 250x4mm (5 µm); pre-column 4x4mm RP-select B (5 µm).

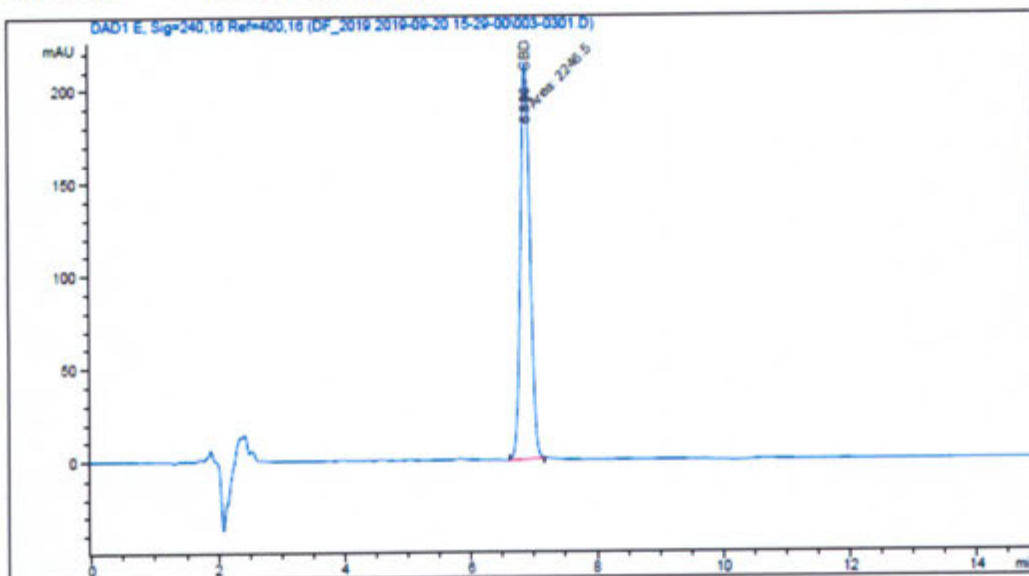
Chromatograms and other data

Data File C:\CHEM32\1\DATA\DF_2019_2019-09-20 16-29-00\003-0301.D
Sample Name: 1009

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Acq. Operator   : OSS                               Seq. Line :    3
Acq. Instrument : HPLC1                             Location  : Vial 3
Injection Date  : 20.9.2019 r. 16:40:51             Inj       :    1
                                                    Inj Volume: 20 µl
Acq. Method     : C:\CHEM32\1\DATA\DF_2019_2019-09-20 16-29-00\DF_2019.M
Last changed    : 12.9.2019 r. 11:34:51 by OSS
Analysis Method : C:\CHEM32\1\METHODS\DF_2019.M
Last changed    : 20.9.2019 r. 16:29:09 by OSS
                  (modified after loading)
Method Info     : This is a test method
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External Standard Report

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Sorted By      : Signal
Calib. Data Modified : 20.9.2019 r. 16:29:09
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
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Signal 1: DAD1 E, Sig=240,16 Ref=400,16

RetTime [min]	Type	Area [mAU*s]	Amt/Area	Amount [mg/ml]	Grp	Name
6.000		-	-	-		CBDA
6.886	MS	2246.50171	6.43450e-5	1.44551e-1		CBD
8.919		-	-	-		CBM

Totals : 1.44551e-1

Operator:

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(Asst. Prof. Krasimira Dikova)

Responsible scientist:

V. Dimitrov
(Prof. DSc. Vladimir Dimitrov)

Director of the Institute

S. Simova
(Prof. DSc. Svetlana Simova)

