



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

IOCCP No. 189 / 19.02.2019

## Protocol of analysis

**Applicant:** Dragonfly Biosciences Bulgaria

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

**Product name:** P.C.Oil CBD 11.1% N.S.  
**Batch number:** 0202

CANNABINOIDS %		
CBDA	CBD	CBN
-	13.3380 %	-
THCA and THC are not detectable		

Method of analysis in accordance with recommended practice of



**UNODC**

United Nations Office on Drugs and Crime

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.

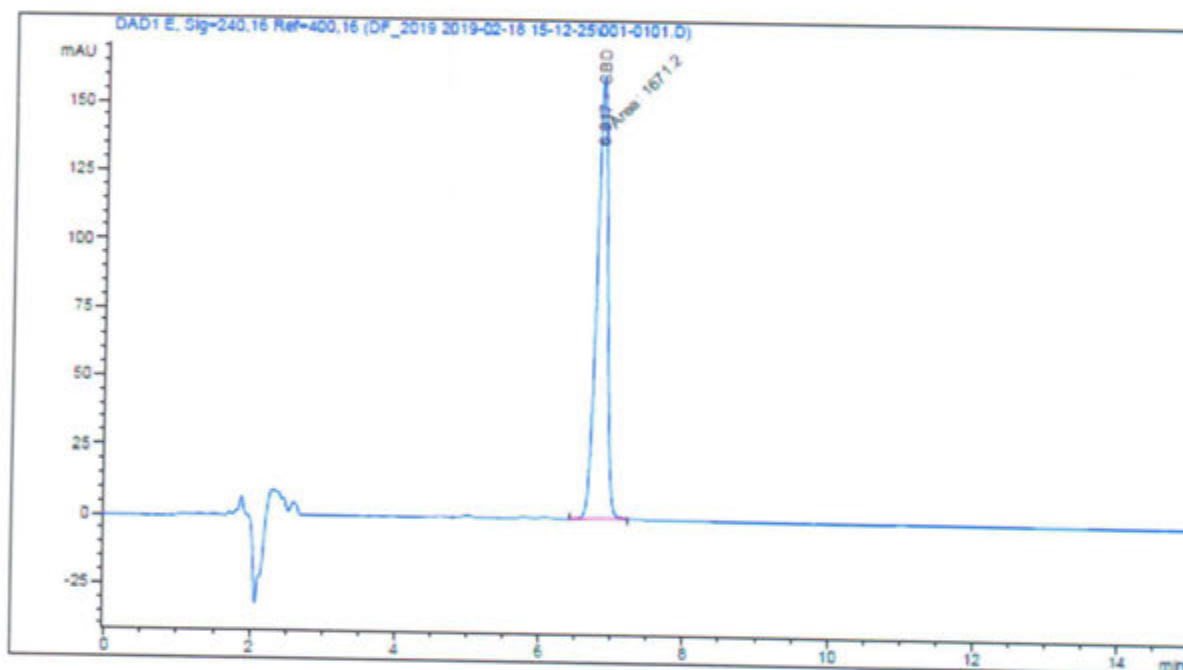
Method used: HPLC, column LiChrospher 60 RP-select B, 250x4mm (5 µm); pre-column 4x4mm RP-select B (5 µm).



Chromatograms and other data

Data File C:\CHEM92\1\DATA\DF\_2019 2019-02-18 15-12-25\001-0101.D  
Sample Name: 0202

```
=====
Acq. Operator   : YN                               Seq. Line :    1
Acq. Instrument : HPLC1                             Location  : Vial 1
Injection Date  : 18.2.2019 r. 15:14:03             Inj       :    1
                                                    Inj Volume: 20 µl
Acq. Method     : C:\CHEM92\1\DATA\DF_2019 2019-02-18 15-12-25\DF_2019.M
Last changed    : 18.2.2019 r. 15:12:29 by YN
Analysis Method : C:\CHEM92\1\METHODS\DF_2019.M
Last changed    : 18.2.2019 r. 10:22:09 by YN
Method Info     : This is a test method
=====
```



External Standard Report

```
Sorted By : Signal
Calib. Data Modified : 10.1.2019 r. 10:56:45
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 E, Sig=240,16 Ref=400,16

RetTime [min]	Type	Area [mAU*s]	Amr/Area	Amount [mg/ml]	Grp	Name
6.000		-	-	-		CBD
6.817	MS	1471.20288	6.20484e-5	1.06704e-1		CBD
8.919		-	-	-		CBD

Totals : 1.06704e-1



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