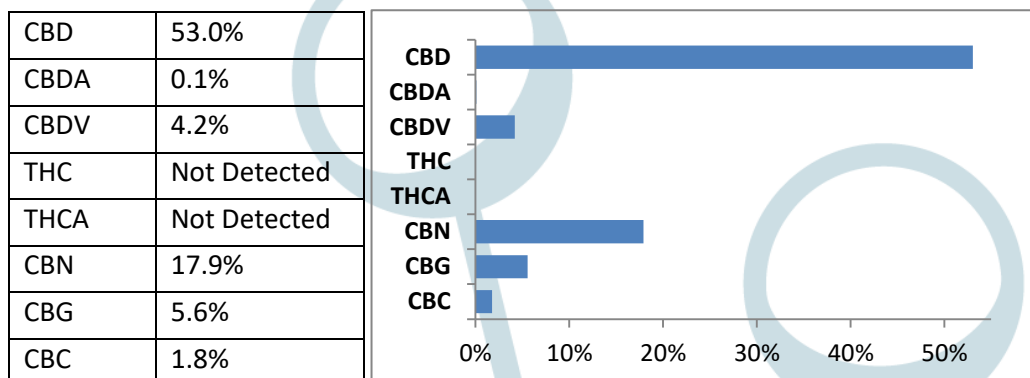


Certificate of Analysis

Sample: PIR_002

1. Cannabinoid Content



2.2 Heavy Metals

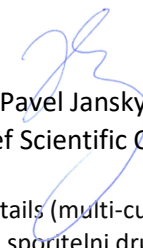
Symbol	Element	Detection Limit [mg/g]	Results
As	Arsenic	0.0001	Not Detected
Cd	Cadmium	0.0001	Not Detected
Hg	Mercury	0.00001	Not Detected
Pb	Lead	0.0001	Not Detected

2.3 Polar Compounds (Pesticides)

Parameter	µg/g
Imazethapyr	< 0.01
Thifensulfuron-methyl	< 0.01
Methamidophos	< 0.01
Dimethoat	< 0.01
Atrazin_desethyl	< 0.01
Metoxuron	< 0.01
Phosphamidon	< 0.01
Cyanazin	< 0.01
Metribuzin	< 0.01
Simazin	< 0.01
Bromacil	< 0.01
Carbofuran	< 0.01
Hexazinon	< 0.01
Thiophanate-methyl	< 0.01
Monolinuron	< 0.01
Chlorotoluron	< 0.01

Metobromuron	< 0.01
Atrazin	< 0.01
Desmetryn	< 0.01
Methabenzthiazuron	< 0.01
Diuron	< 0.01
Methidathion	< 0.01
Ethofumesat	< 0.01
Azoxystrobin	< 0.01
Linuron	< 0.01
Terbuthylazine	< 0.01
Chlorbromuron	< 0.01
Propyzamide	< 0.01
Prometryn	< 0.01
Metolachlor	< 0.01
Fenhexamid	< 0.01
Fenarimol	< 0.01
Acetochlor	< 0.01
Terbutryn	< 0.01
Kresoxim-methyl	< 0.01
Tebuconazole	< 0.01
Propiconazole	< 0.01
Phorate	< 0.01
Phosalone	< 0.01
Fluazifop-p-butyl	< 0.01
Tri-allate	< 0.01
Alachlor	< 0.01
Metalaxyl	< 0.01
Atrazin-desethyl-desisopropyl	< 0.01
Atrazin-hydroxy	< 0.01
Atrazin-desisopropyl	< 0.01
Triadimenol	< 0.01
Lenacil	< 0.01
Triadimefon	< 0.01
Metazachlor	< 0.01
Propachlor	< 0.01
Terbuthylazine-hydroxy	< 0.01
Terbuthylazine-desethyl	< 0.01
Dimethachlor	< 0.01
Carbendazim	< 0.01
Napropamide	< 0.01
Methoxyfenozide	< 0.01
Triasulfuron	< 0.01
Alachlor_ESA	< 0.01
Acetochlor_ESA	< 0.01
Dimethomorph	< 0.01

Chloridazon	< 0.01
Chlorsulfuron	< 0.01
Metolachlor_ESA	< 0.01
MetolachlorOA	< 0.01
Sulfosulfuron	< 0.01
Triticonazole	< 0.01
Dicamba	< 0.01
Bentazone	< 0.01
Bromoxynil	< 0.01
2,4-D	< 0.01
MCPA	< 0.01
Dichlorprop	< 0.01
MCPP_MECOPROP	< 0.01
MCPB	< 0.01
2,4,5-T	< 0.01
Alachlor_OA	< 0.01
Acetochlor_OA	< 0.01



Ing. Pavel Jansky Ph.D.
Chief Scientific Officer



Přírodovědecká
fakulta

Protokol z analýzy fytkanabinoidů v dodaném vzorku.

Fytkanabinoidy byly stanoveny metodou UHPLC-UV.

Datum měření: 16. 12. 2020

Počet vzorků: 1

Počet opakování: 1

Počet analýz: 2 (1 vzorek, 2x ředění)

Vzorek	CBD (%)	CBDA (%)	THC (%)	THCA (%)
PIR_002	53,03	0,09	< 0,05	< 0,025

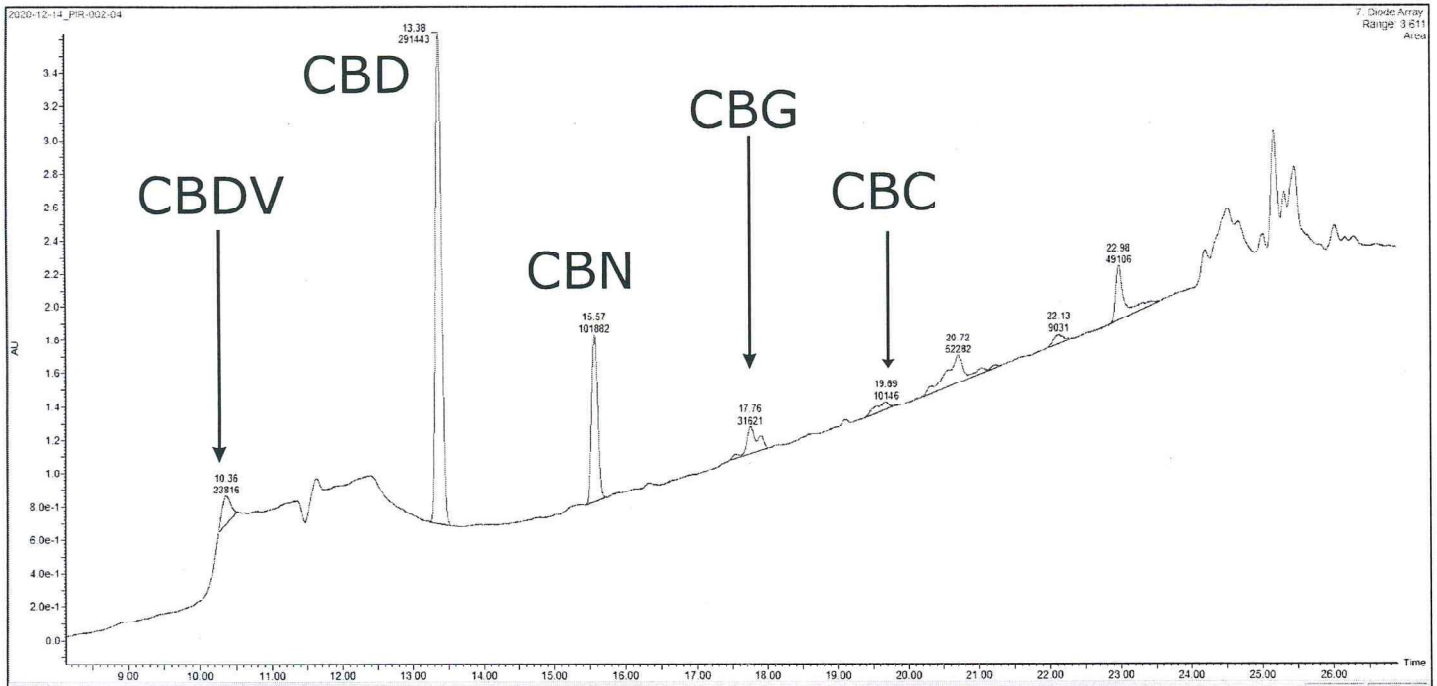
V Olomouci 18.12. 2020

Doc. RNDr. Petr Tarkowski, Ph.D.

Vedoucí oddělení fytochemie
Univerzita Palackého v Olomouci

Certificate of analysis

Liquid chromatograph / Mass spectrometer: Waters Acquity H-Class / Waters Synapt G1
Column: Acquity BEH C18, 50 × 2.1 mm, particle size 1.8 μm
Injection volume: 5 μL
Sample concentration: 10 mg/L
Run time: 35 min
Mobile phase: A = water, B = acetonitrile
Flow rate: 0.4 mL/min
Elution gradient profile: 0-5 min: 45 % B, 5-25 min: 45-100 % B, 25-30 min: 100 % B, 30-31 min: 100-45 % B, 31-35 min: 45 % B



	peak area	%
CBD	291443	51.19%
CBN	101882	17.90%
CBG	31621	5.55%
CBC	10146	1.78%
CBDV	23816	4.18%
other	110419	19.39%
total	569327	100.00%

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