

CERTIFICATE OF ANALYSIS

Project: CBD
Order ID: 2019000476

Customer ID: 52166505
Customer Name: GnuPharma

Harvest/Extract Lot:
Harvest/Extract Date:

Cultivar (Strain): Capsules
Sample Date: 02/21/2019

Lab ID: 2019001712
Date Received: 02/21/2019

Sample Matrix: Capsule
Date Completed: 02/27/2019

Remarks:

Analysis Date/Time: 02-25-2019 2352
Analyst: KWF

Method: HPLC/UV
Instrument: Agilent 1100

Moisture Content (%): -
Water Activity (aw): - at - °C

<u>Cannabinoid</u>	<u>Result</u> <u>(%)</u>	<u>Result</u> <u>(mg/g)</u>	<u>Reporting Limit</u> <u>(mg/g)</u>	<u>Per Unit</u> <u>(mg)</u>
CBD	5.06	50.6	0.050	25.3
CBDa	<RL	<RL	0.050	-
CBDv	<RL	<RL	0.050	-
Δ9-THC	<RL	<RL	0.050	-
Δ8-THC	<RL	<RL	0.050	-
THCa	<RL	<RL	0.050	-
CBC	<RL	<RL	0.050	-
CBG	<RL	<RL	0.050	-
CBGa	<RL	<RL	0.050	-
CBN	<RL	<RL	0.050	-
TOTAL	5.06	50.6		25.3



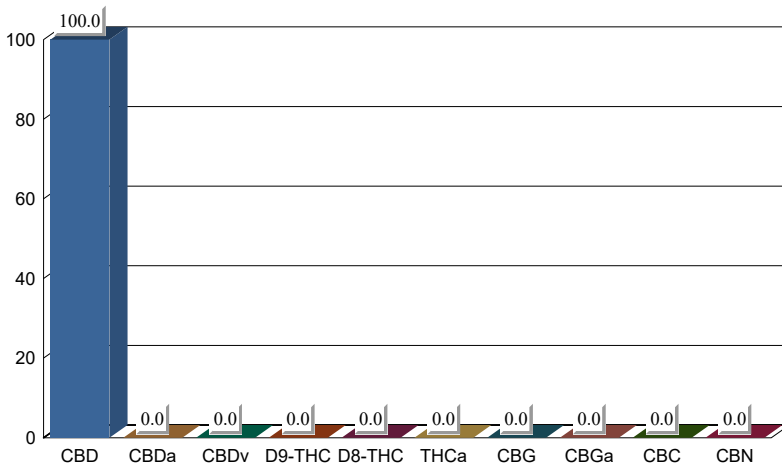
TOTAL THC <RL <RL -
TOTAL CBD 5.06 50.6 25.3

UNIT MASS (g): 0.500

Deviations from standard operating procedure: None

Cannabinoid Distribution

(% of Total Cannabinoids)



Recoveries for all analyte standards: 90-110%
Replicate Uncertainties: <5% RSD, <20% RPD
Sample/Reagent Blanks: <RL for all analytes

Values for plant matter are adjusted for moisture content.

Total THC = (THCa x 0.877) + Δ9-THC
Total CBD = (CBDa x 0.877) + CBD

Percentage results are reported by mass.
mg/g results are reported as mass component per mass material.

Abbreviations: UV - Ultraviolet, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation

This information is provided as a service and makes no claims of efficacy and/or safety of this product.
Results are applicable only for the sample(s) analyzed and for the specific analysis conducted.
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REPORT OF LABORATORY ANALYSIS

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