

CERTIFICATE OF ANALYSIS

Project: Medical Cannabis
Order ID: 2019000301

Customer ID: 80763694
Customer Name: Paragon

Harvest/Extract Lot:
Harvest/Extract Date:

Cultivar (Strain): Pineapple Express
Sample Date: 02/05/2019

Lab ID: 2019001054
Date Received: 02/05/2019

Sample Matrix: Flower
Date Completed: 02/08/2019

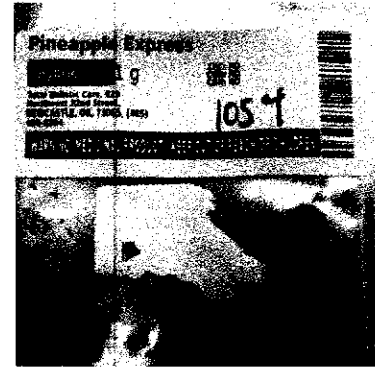
Remarks:

Analysis Date/Time: 02-05-2019 2042
Analyst: KWF

Method: HPLC/UV
Instrument: Agilent 1100

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

<u>Cannabinoid</u>	<u>Result (%)</u>	<u>Result (mg/g)</u>	<u>Reporting Limit (mg/g)</u>	<u>Per Unit (mg)</u>
CBD	<RL	<RL	0.050	-
CBDa	0.0660	0.660	0.050	0.660
CBDv	<RL	<RL	0.050	-
Δ9-THC	1.15	11.5	0.050	11.5
Δ8-THC	0.133	1.33	0.050	1.33
THCa	19.6	196	0.050	196
CBC	0.0322	0.322	0.050	0.320
CBG	0.0248	0.248	0.050	0.250
CBGa	0.154	1.54	0.050	1.54
CBN	0.0136	0.136	0.050	0.140
TOTAL	21.2	212		212



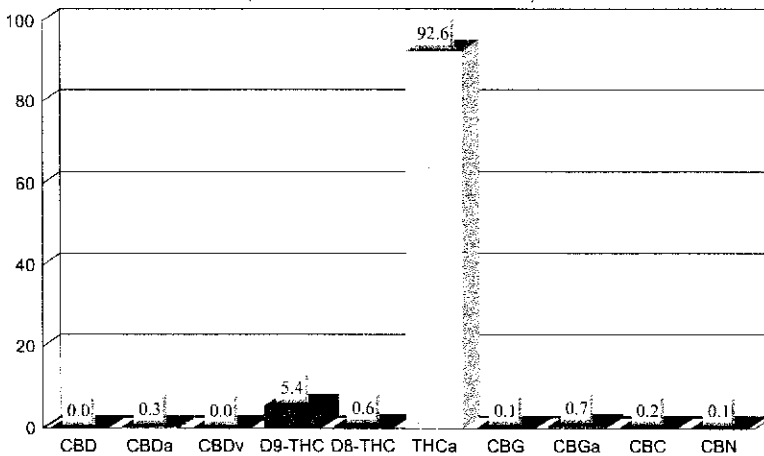
UNIT MASS (g): 1.00

TOTAL THC 18.3 183 183
TOTAL CBD 0.0579 0.579 0.580

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. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

Kyle W. Felling, Ph.D.
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Laboratory Director

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