

## CERTIFICATE OF ANALYSIS

**Project:** Medical Cannabis  
**Order ID:** 2019000301

**Customer ID:** 80763694  
**Customer Name:** Paragon

**Harvest/Extract Lot:**  
**Harvest/Extract Date:**

**Cultivar (Strain):** AK47  
**Sample Date:** 02/05/2019

**Lab ID:** 2019001052  
**Date Received:** 02/05/2019

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

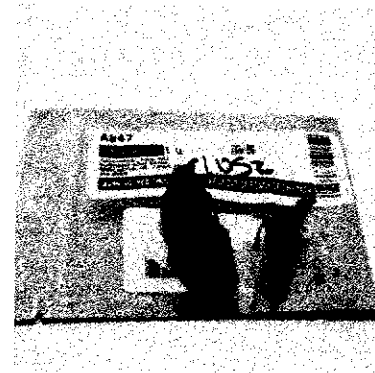
**Remarks:**

**Analysis Date/Time:** 02-05-2019 2020  
**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	<RL	<RL	0.050	-
CBDa	0.0617	0.617	0.050	0.620
CBDv	<RL	<RL	0.050	-
Δ9-THC	1.47	14.7	0.050	14.7
Δ8-THC	0.126	1.26	0.050	1.26
THCa	19.4	194	0.050	194
CBC	0.0330	0.330	0.050	0.330
CBG	0.0249	0.249	0.050	0.250
CBGa	0.157	1.57	0.050	1.57
CBN	0.0125	0.125	0.050	0.120
<b>TOTAL</b>	<b>21.3</b>	<b>213</b>		<b>213</b>
<b>TOTAL THC</b>	<b>18.5</b>	<b>185</b>		<b>185</b>
<b>TOTAL CBD</b>	<b>0.0541</b>	<b>0.541</b>		<b>0.540</b>



**UNIT MASS (g):** 1.00

*Deviations from standard operating procedure:* None

*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.

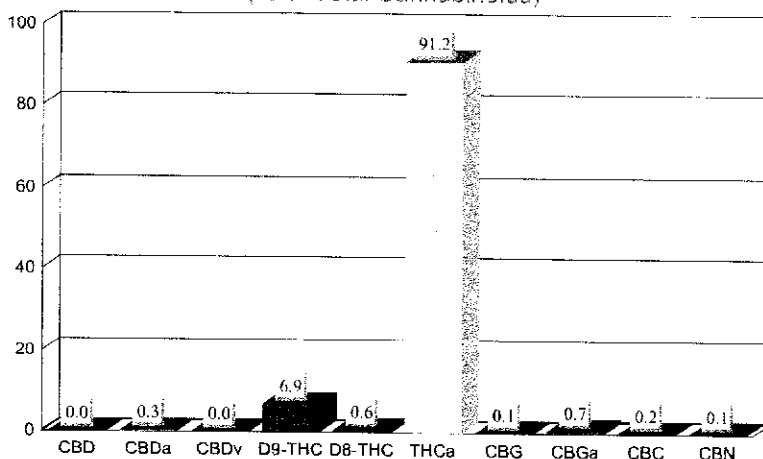
Total THC = (THCa x 0.877) + Δ9-THC  
 Total CBD = (CBDa x 0.877) + CBD

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

### Cannabinoid Distribution

(% of Total Cannabinoids)



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*  
 Kyle W. Felling, Ph.D.  
 Laboratory Director

**REPORT OF LABORATORY ANALYSIS**  
 This report shall not be reproduced, except in full, without the written consent of  
 Felling Analytical Services and Technology (F.A.S.T.), LLC

[www.FASTLaboratories.com](http://www.FASTLaboratories.com)