

# Certificate of Analysis



DanOdan Grassworks

Daniel Stoops

Portland, OR, .

**Report Date**  
**Report Status**  
**Receipt Date**  
**Receipt Condition**  
**Storage Condition**  
**Sample Type**  
**Sample ID**

16May2016  
Final  
13May2016  
Ambient  
0-6 °C  
Canna Product (Solid)  
16001053

**Sample Name**  
**Batch #**

Cannabis Caramel  
0037-LD-05-16

## Cannabinoids

Analysis	Result, mg/unit	LOQ, mg/unit	Analysis Date
Total Cannabinoids (Calculated)			
Total CBD = CBD + 0.877 x CBDA	<LOQ		
Total THC = THC + 0.877 x THCA	7.6		
Cannabinoids (By weight)			
Cannabidiol (CBD)	<LOQ	1.6	16May2016
Cannabidiolic Acid (CBDA)	<LOQ	1.6	16May2016
$\Delta$ 9-Tetrahydrocannabinol (THC)	7.6	1.6	16May2016
$\Delta$ 9-Tetrahydrocannabinolic Acid (THCA)	<LOQ	1.6	16May2016
Average retail unit weight: 4.5 g			

## Quality Control Summary

Cannabinoids (SOP3007)	Result
Calibration Linearity $r^2 \geq 0.995$	Pass
Calibration Verification $\pm 10\%$	Pass
Method Blank < LOQ	Pass
Laboratory Control Sample (LCS) Recovery 80-120%	Pass
LCS Duplicate (LCSD) Recovery 80-120%	Pass
LCS/LCSD Relative Percent Difference $\leq 20\%$	Pass

## Method References

## Testing Location

### Cannabinoids (SOP3007)

Cascadia Labs - Portland

De Backer, et al. (2009). Innovative development and validation of an HPLC/DAD method for the qualitative and quantitative determination of major cannabinoids in cannabis plant material.

Journal of Chromatography B Analytical Technologies in the Biomedical and Life Sciences, 877(32), 4115-4124. (Modified)

## Testing Locations

### Cascadia Labs - Portland

7405 SW Tech Center Dr Ste A160

Tigard, OR 97223

(855) 800-6890

## Authorization

### Report Issued By

Julie Austin

Operations Manager

This report is intended to comply with Current Oregon Administrative Rules: Chapter 333 Division 7; Chapter 333 Division 8; Chapter 333 Division 64. These methods are not accredited by ORELAP.

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