

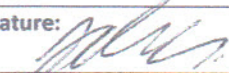


Agriculture and Food Testing Solutions

## CERTIFICATE OF ANALYSIS

Certificate ID: CS0044\_18616\_002\_T  
Client Sample ID: AGSSD  
Sample Description: Special Sauce (Dry Bud)  
Sample Received: 11-Sep-18  
Analysis Initiated: 28-Sep-18

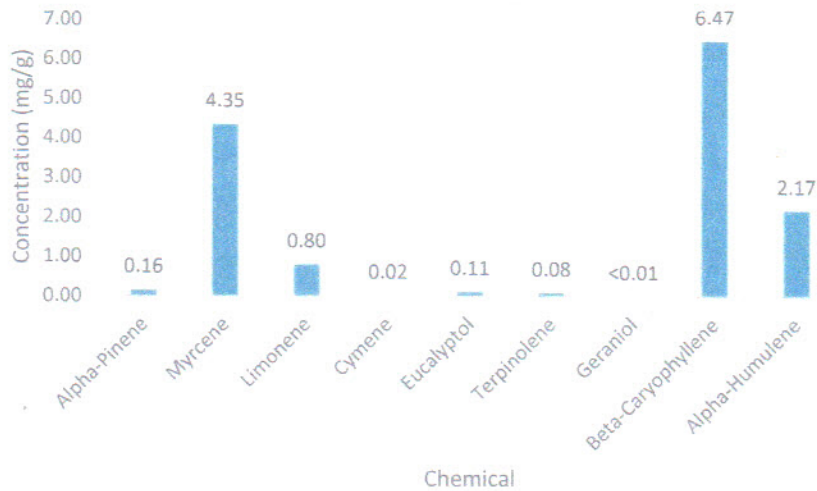
Appalachian Growers LLC  
64 Whitewater Drive  
Maggie Valley, NC 28751  
Attn: Lori Lacey

Analyst: Jacob Edwards	Signature: 	Date: 1-Oct-18
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Test Type: Terpene Profile

Technical Procedure: TP A0037-001

Results:<sup>1</sup>



Terpene ID	Concentration (mg/g dry weight)
$\alpha$ -Pinene	0.16
Myrcene	4.35
Limonene	0.80
Cymene	0.02
Eucalyptol	0.11
Terpinolene	0.08
Geraniol	<0.01
$\beta$ -Caryophyllene	6.47
$\alpha$ -Humulene	2.17

<sup>1</sup>Concentrations of terpenes were determined by GC-MS with an Avazyme intra lab method utilizing certified reference standards for each chemical analyzed.

Avazyme warrants that this study was performed in accordance with appropriate laboratory research practices and protocols. Avazyme is not responsible for Sponsor's use of the information or concepts generated as part of the study, and will not be liable for any loss or damage resulting from such use.



North Carolina Department of Agriculture and Consumer Services  
 Food and Drug Protection Division Laboratory  
 4000 Reedy Creek Road, Raleigh, NC 27607

**Steve Troxler**  
 Commissioner

**Anita MacMullan**  
 Director

**TEST REPORT**

**Sample Submitted By:**

NCDA&CS Plant Industry Division  
 216 West Jones St.  
 Raleigh, NC 27603

**Date Sample Received:** 08/14/2018  
**Transcript #:** 081418-012  
**Grower/Applicant Name:** Appalachian Growers  
**Grower License #:** SEM-NC185-001  
**County:** Macon  
**Variety/Comments:** Special Sauce

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Final Report



\*Interim Report



Amended Report

Sample Description: Industrial Hemp

Number of Subs:	Results:	Units:
<b>LIMS#:</b> AA97681		
<b>FDC &amp; Sub#:</b> 081418-012		
Delta-9-Tetrahydrocannabinol	0.1	%

Approved by: Don Daley

Date: August 17, 2018



\*Interim reports serve only as a notification of preliminary results. Interim results are not final. This document can not be reproduced except in full without the written approval of the NCDA&CS FDPD Laboratory. The results listed in this report pertain only to the samples as provided to the lab by the customer.

# AVAZYME

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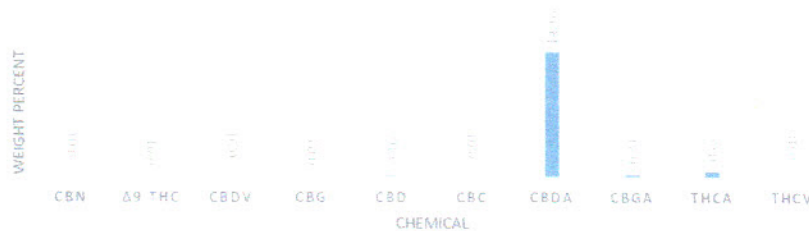
## CERTIFICATE OF ANALYSIS

<b>Certificate ID:</b>	CS0044_18616_002_C	<b>Appalachian Growers, LLC</b>
<b>Client Sample ID:</b>	AGSSD	64 Whitewater Drive
<b>Sample Description:</b>	Special Sauce (bud dry)	Maggie Valley, NC 28751-8723
<b>Receive sample:</b>	11-Sep-18	Attn: Lori Lacy
<b>Initiate analyses:</b>	13-Sep-18	

<b>Analyst:</b> Dave Minser	<b>Signature:</b> 	<b>Date:</b> 20 Sept 18
<b>Reviewed by:</b>	<b>Signature:</b> 	<b>Date:</b> 18 Sep 18

**Test Type:** Total Cannabinoid Profile  
**Technical Procedure:** TP A0033-01

**Results:**



Chemical Analyzed	% Dry Weight	Concentration (mg/g)
CBN	<0.01	<0.10
Δ <sup>9</sup> THC	0.01	0.14
CBDV	<0.01	<0.10
CBG	0.02	0.22
CBD	0.16	1.57
CBC	<0.01	<0.10
CBDA	14.16	141.61
CBGA	0.31	3.10
THCA	0.66	6.63
THCV	<0.01	<0.10
<b>total THC *</b>	<b>0.60</b>	<b>5.95</b>
<b>total CBD *</b>	<b>12.58</b>	<b>125.76</b>
<b>total</b>	<b>15.33</b>	<b>153.27</b>

\* total THC is calculated by Δ9 THC + 0.877xTHCA

\* total CBD is calculated by CBD + 0.877xCBDA

Concentration of cannabinoids were determined by HPLC-MSMS with an Avazyme intra lab validated method utilizing certified reference standards for each chemical analyzed.

Avazyme warrants that this study was performed in accordance with appropriate laboratory research practices and protocols.

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