

# AVAZYME

Agriculture and Food Testing Solutions

## CERTIFICATE OF ANALYSIS

CS0198\_192019\_001\_C

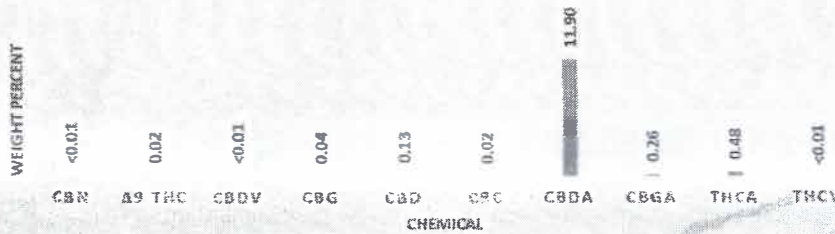
Cannabinoids

Client Sample ID: **Sample 1**  
 Sample Description: **Pine Berry**  
 Receive sample: **09-Jan-19**  
 Initiate analyses: **10-Jan-19**

Analyst: Dave Minser	Signature: <i>[Signature]</i>	Date: 12 Jan 19
Reviewed by: Steve Werner	Signature: <i>[Signature]</i>	Date: 12 Jan 19

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	0.02	0.17
CBDV	<0.01	<0.10
CBG	0.04	0.35
CBD	0.13	1.25
CBC	0.02	0.21
CBDA	11.90	119.01
CBGA	0.26	2.58
THCA	0.48	4.76
THCV	<0.01	<0.10
<b>total THC *</b>	<b>0.43</b>	<b>4.34</b>
<b>total CBD *</b>	<b>10.56</b>	<b>105.62</b>
<b>total</b>	<b>12.83</b>	<b>128.33</b>

\* total THC is calculated by Δ<sup>9</sup> THC + 0.877xTHCA  
 \* total CBD is calculated by CBD + 0.877xCBDA

Concentration of cannabinoids were determined by HPLC-MS/MS 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.

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.