

**AVAZYME**

Agriculture and Food Testing Solutions

**CERTIFICATE OF ANALYSIS****CS0589\_202454-001\_C****Cannabinoids**



**Client Sample ID:** Sample 1

**Sample Description:** Full Spectrum Hemp Oil - 500mg Citrus

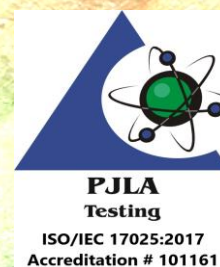
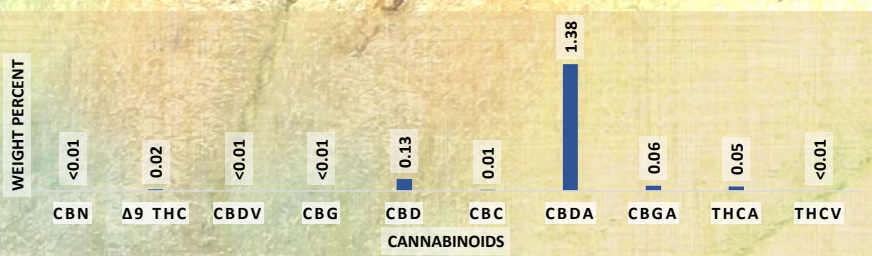
**Receive sample:** 21-Apr-20

**Initiate analyses:** 22-Apr-20

**Yadkin Valley Organics**  
**633 Chatham St.**  
**Ronda, NC 28670**

<b>Analyst:</b> Dave Minser	<b>Analyst Signature:</b> 	<b>Analyst Date:</b> 24-Apr-2020   16:54 EDT
<b>Reviewed by:</b> Tia Young	<b>Reviewer Signature:</b> 	<b>Reviewer Date:</b> 24-Apr-2020   17:02 EDT

**Test Type:** Total Cannabinoid Profile  
**Technical Procedure:** TP A0033 & A0049

**Results:**

Chemical Analyzed	% Weight	Concentration (mg/g)
CBN	<0.01	<0.10
Δ <sup>9</sup> THC	0.02	0.16
CBDV	<0.01	<0.10
CBG	<0.01	<0.10
CBD	0.13	1.30
CBC	0.01	0.12
CBDA	1.38	13.78
CBGA	0.06	0.58
THCA	0.05	0.49
THCV	<0.01	<0.10
<b>* total THC</b>	<b>0.06</b>	<b>0.59</b>
<b>* total CBD</b>	<b>1.34</b>	<b>13.39</b>
<b>* total CBG</b>	<b>0.06</b>	<b>0.58</b>
<b>total</b>	<b>1.65</b>	<b>16.50</b>
<b>ratio: Total CBD/THC</b>		<b>22.7</b>



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

\* total CBD is calculated by CBD + 0.877xCBDA

\* total CBG is calculated by CBG + 0.878xCBGA

Avazyme, Inc is ISO/IEC 17025:2017 accredited by PJLA (accreditation # 101161) for Microbiological and Chemical Testing

Concentration of cannabinoids were determined by Shimadzu LC2030 Plus with an Avazyme intra lab validated method utilizing certified reference standards for each chemical analyzed.

The result applies only to the sample listed on this certificate. Avazyme cannot guarantee that this sample is representative of the product/lot as a whole. Avazyme warrants that this study was performed in accordance with appropriate laboratory research practices and protocols for the sample submitted.

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**CERTIFICATE OF ANALYSIS****CS0589\_202454-002\_C****Cannabinoids**



**Client Sample ID:** Sample 2

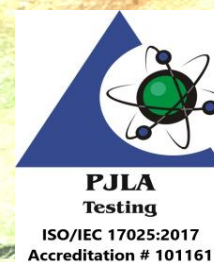
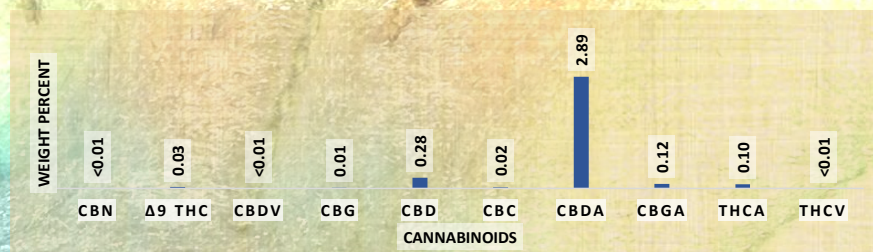
**Sample Description:** Full Spectrum Hemp Oil - 1000mg citrus

**Receive sample:** 21-Apr-20

**Initiate analyses:** 22-Apr-20

**Yadkin Valley Organics**  
**633 Chatham St.**  
**Ronda, NC 28670**

<b>Analyst:</b> Dave Minser	<b>Analyst Signature:</b> 	<b>Analyst Date:</b> 24-Apr-2020   16:54 EDT
<b>Reviewed by:</b> Tia Young	<b>Reviewer Signature:</b> 	<b>Reviewer Date:</b> 24-Apr-2020   17:02 EDT

**Test Type:** Total Cannabinoid Profile**Technical Procedure:** TP A0033 & A0049**Results:**

Chemical Analyzed	% Weight	Concentration (mg/g)
CBN	<0.01	<0.10
Δ <sup>9</sup> THC	0.03	0.33
CBDV	<0.01	<0.10
CBG	0.01	0.14
CBD	0.28	2.75
CBC	0.02	0.24
CBDA	2.89	28.91
CBGA	0.12	1.21
THCA	0.10	1.03
THCV	<0.01	<0.10
<b>* total THC</b>	<b>0.12</b>	<b>1.23</b>
<b>* total CBD</b>	<b>2.81</b>	<b>28.10</b>
<b>* total CBG</b>	<b>0.12</b>	<b>1.20</b>
<b>total</b>	<b>3.46</b>	<b>34.61</b>
<b>ratio: Total CBD/THC</b>		<b>22.8</b>

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

\* total CBD is calculated by CBD + 0.877xCBDA

\* total CBG is calculated by CBG + 0.878xCBGA

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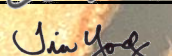
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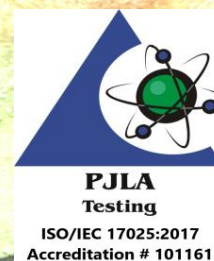
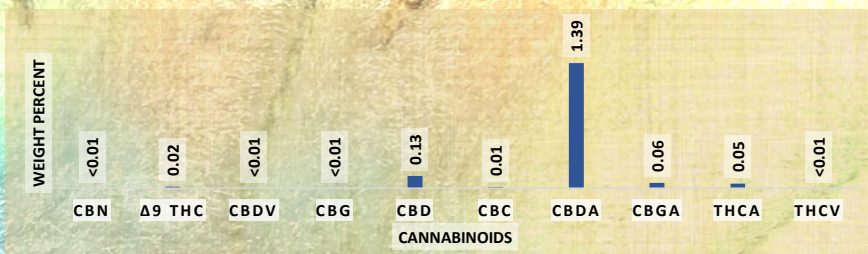


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**CERTIFICATE OF ANALYSIS****CS0589\_202454-003\_C****Cannabinoids****Client Sample ID:****Sample 3****Yadkin Valley Organics****Sample Description:****Full Spectrum Hemp Oil - 500mg Chocolate Berry****633 Chatham St.****Ronda, NC 28670****Receive sample:****21-Apr-20****Initiate analyses:****22-Apr-20**

<b>Analyst:</b> Dave Minser	<b>Analyst Signature:</b> 	<b>Analyst Date:</b> 24-Apr-2020   16:54 EDT
<b>Reviewed by:</b> Tia Young	<b>Reviewer Signature:</b> 	<b>Reviewer Date:</b> 24-Apr-2020   17:02 EDT

**Test Type:** Total Cannabinoid Profile**Technical Procedure:** TP A0033 & A0049**Results:**

Chemical Analyzed	% Weight	Concentration (mg/g)
CBN	<0.01	<0.10
Δ <sup>9</sup> THC	0.02	0.16
CBDV	<0.01	<0.10
CBG	<0.01	<0.10
CBD	0.13	1.34
CBC	0.01	0.12
CBDA	1.39	13.90
CBGA	0.06	0.59
THCA	0.05	0.50
THCV	<0.01	<0.10
<b>* total THC</b>	<b>0.06</b>	<b>0.60</b>
<b>* total CBD</b>	<b>1.35</b>	<b>13.53</b>
<b>* total CBG</b>	<b>0.06</b>	<b>0.59</b>
<b>total</b>	<b>1.67</b>	<b>16.68</b>
<b>ratio: Total CBD/THC</b>		<b>22.6</b>



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

\* total CBD is calculated by CBD + 0.877xCBDA

\* total CBG is calculated by CBG + 0.878xCBGA

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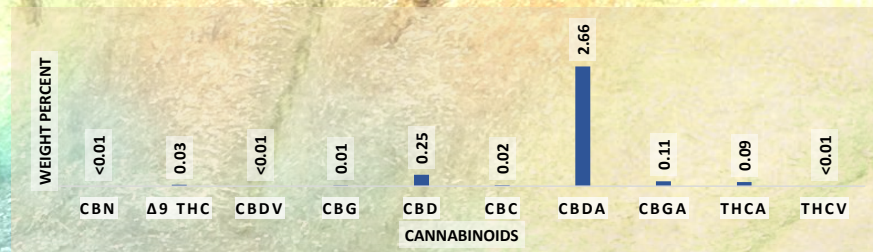


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**CERTIFICATE OF ANALYSIS****CS0589\_202454-004\_C****Cannabinoids****Client Sample ID:****Sample 4****Yadkin Valley Organics****Sample Description:****Full Spectrum Hemp Oil - 1000mg Chocolate Berry****633 Chatham St.****Ronda, NC 28670****Receive sample:****21-Apr-20****Initiate analyses:****22-Apr-20**

<b>Analyst:</b> Dave Minser	<b>Analyst Signature:</b> 	<b>Analyst Date:</b> 24-Apr-2020   16:54 EDT
<b>Reviewed by:</b> Tia Young	<b>Reviewer Signature:</b> 	<b>Reviewer Date:</b> 24-Apr-2020   17:02 EDT

**Test Type:** Total Cannabinoid Profile**Technical Procedure:** TP A0033 & A0049**Results:**

Chemical Analyzed	% Weight	Concentration (mg/g)
CBN	<0.01	<0.10
Δ <sup>9</sup> THC	0.03	0.30
CBDV	<0.01	<0.10
CBG	0.01	0.13
CBD	0.25	2.52
CBC	0.02	0.22
CBDA	2.66	26.57
CBGA	0.11	1.12
THCA	0.09	0.93
THCV	<0.01	<0.10
<b>* total THC</b>	<b>0.11</b>	<b>1.12</b>
<b>* total CBD</b>	<b>2.58</b>	<b>25.82</b>
<b>* total CBG</b>	<b>0.11</b>	<b>1.11</b>
<b>total</b>	<b>3.18</b>	<b>31.79</b>
<b>ratio: Total CBD/THC</b>		<b>23.1</b>



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

\* total CBD is calculated by CBD + 0.877xCBDA

\* total CBG is calculated by CBG + 0.878xCBGA

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