

# Report: COA Evaluation Summary

OLCC License No. 10087092BDA | ORELAP ID. 4147

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For OLCC/OHA Compliance Purposes.

## Product Description

Client: **Evo-Ag Solutions, LLC**

Product Name: **Santiam Field 03-S**

Harvest Lot: n/a

Matrix: Qualifying Hemp

Metric Source ID: n/a

Metric Package ID: n/a

License Number: AG-R10507111HG

Report ID: A2193-04

Date Collected: 2020-09-22

Date Received: 2020-09-22

Report Date: 2021-01-14

Tests Requested: Moisture Analysis  
Cannabinoid Potency Analysis

**Santiam Field 03-S**

## Evaluation Summary

Moisture Analysis

Tested Value (%)

6.67 %

Cannabinoid Potency Analysis

Abrv.

Dry Wt. %

Dry Wt. mg/g

**Total THC \***

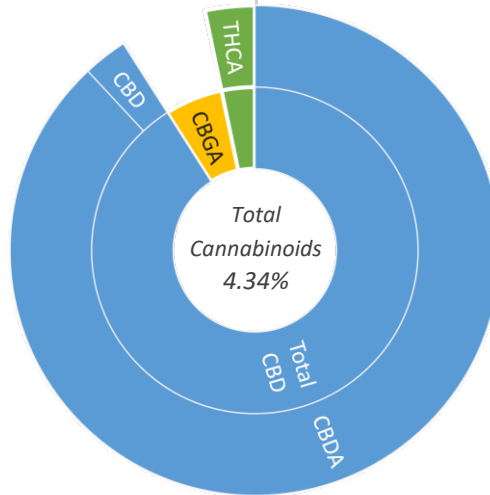
**Total CBD \***

0.12 %

3.48 %

1.2 mg/g

34.8 mg/g



THCA	0.14 %	1.4 mg/g
Δ-9-THC	< LOQ	< LOQ
Δ-8-THC	< LOQ	< LOQ
THCV	< LOQ	< LOQ
CBDA	3.82 %	38.2 mg/g
CBD	0.13 %	1.3 mg/g
CBGA	0.25 %	2.5 mg/g
CBG	< LOQ	< LOQ
CBDVA	< LOQ	< LOQ
CBDV	< LOQ	< LOQ
CBN	< LOQ	< LOQ
CBL	< LOQ	< LOQ
CBC	< LOQ	< LOQ

\* moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100



**Juniper Analytics LLC**  
1334 NE 2nd St  
Bend, OR  
(541) 382-3796  
<http://www.juniperanalyticsllc.com>  
ORELAP: License # 4101-001

**Oregon Vitality**

Bend, OR 97701  
(503) 278-9907  
Lic. #



**Sample: 20JA1987.01**

Pre-Harvest Ind. Potency Hemp Non  
Compliance-CAN

Report Date: 11/5/2020

Intake Date: 11/02/2020

Harvest/Prod. Date:

Potency Analysis Date: 11/03/2020

## Mature Hemp Stalk's

Strain: Mature Hemp Stalk's  
METRC Sample: ; METRC Batch #: ;  
External Batch #: ; Analytical Batch #: PO-2020-11-02-01



### Cannabinoid Profile

**<LOQ**

Total THC

**<LOQ**

Total THC mg/g

**0.101%**

Total CBD

**1.01 mg/g**

Total CBD mg/g

Analyte	LOQ mg/g	Mass %	Mass mg/g
THCa	0.420	<LOQ	<LOQ
Δ9-THC	0.420	<LOQ	<LOQ
Δ8-THC	0.420	<LOQ	<LOQ
THCV	0.420	<LOQ	<LOQ
CBDa	0.420	0.055	0.55
CBD	0.420	0.052	0.52
CBN	0.420	<LOQ	<LOQ
CBGa	0.420	<LOQ	<LOQ
CBG	0.420	<LOQ	<LOQ
CBC	0.420	<LOQ	<LOQ
<b>Total</b>		<b>0.107</b>	<b>1.07</b>

QC Batch ID: PO-2020-11-02-01

Total THC = THCa \* 0.877 + Δ9-THC

Total CBD = CBDa \* 0.877 + CBD

Instrument: HPLC/DAD; Method: JA-Potency-Proprietary; LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Potency Analysis (Oregon Compliance Standard OAR 333-007-0430). Pre-Harvest Hemp sampling SOP JA101.01 per OAR 603-048-0600

Ben Armstrong  
QA Review

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ARABLE BOTANICALS

Headquarters: 1 West Washington Ave. Yakima, Washington 98903 Telephone: 509-453-4731  
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***ANALYSIS CERTIFICATE***

***BIOMASS EXTRACT (FROM MATURE STALK)***

***HECA Reference No.: 20HME-508***

***DATE: December 12, 2020***

***CERTIFICATE NO.: 20-0056***

***BATCH NO: 20HME-508-001***

***QUANTITY: 190.90 Kgs.***

***METHOD OF ANALYSIS: HPLC***

***CBD: 24.52%***

***CBDa: 13.00%***

***CBD TOTAL: 35.92%***  
(CBDa\*0.877+CBD)

***THC: 1.06%***

***THCa: 0.08%***

***THC TOTAL: 1.13%***  
(THCa\*0.877+THC)

***CBC: 1.69%***

***CBCa: 0.92%***

***SPENT DUST***

***CBD TOTAL: 0.27%***  
(CBDa\*0.877+CBD)

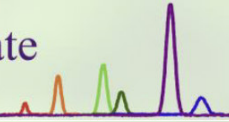
**"NOT INTENDED FOR HUMAN CONSUMPTION"**

**ANALYSIS CERTIFIED BY:**

  
**Kevin Madsen, Technical Director**

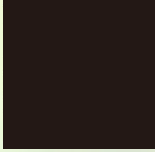






Certificate ID: **92606 (Reissued)** Received: **2/26/21**  
 Client Sample ID: **0005-RK-A JCA Isolate from Matured Stalks**  
 Lot Number: **20HME-508-001**  
 Matrix: **Isolates - CBD**

Scan QR Code for authenticity



**Oregon Vitality LLC**  
**Bend, OR 97703**  
**Attn: JC Riggs**

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 6/9/2021
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]** Analyst: *JFD* Test Date: *3/2/2021*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations. Additional evaluations by LCMS were used to confirm the absence of THC with a Limit of Quantitation of 0.025%. Optical purity, based on absence of additional chromatographic signals, is estimated at 99.4%.

**92606-CN**

ID	Weight %	Concentration (mg/g)			
D9-THC	ND	ND			
THCV	ND	ND			
CBD	97.8	978			
CBDV	0.335	3.35			
CBG	ND	ND			
CBC	ND	ND			
CBN	ND	ND			
THCA	ND	ND			
CBDA	ND	ND			
CBGA	ND	ND			
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	98.2	982	0%	Cannabinoids (wt%)	97.8%
Max THC	ND	ND		Limit of Quantitation (LOQ) = 0.0250 wt%	
Max CBD	97.8	978		Limit of Detection (LOD) = 0.0083 wt%	

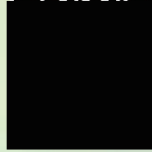
Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: MAX THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

**END OF REPORT**



Certificate ID: **95774**

 Received: **7/6/21**

 Scan QR Code for authenticity
 
**Oregon Vitality LLC**

 Client Sample ID: **0005-RK-A JCA Isolate**

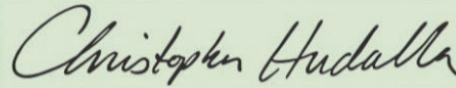
 Lot Number: **20HME-508-001**

 Matrix: **Isolates - CBD**
**Bend, OR 97703**
**Attn: JC Riggs**

Authorization:

Chris Hudalla, Chief Science Officer

Signature:



Date:

7/12/2021



The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]**

 Analyst: *JFD*

 Test Date: *7/9/2021*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

**95774-CN**

ID	Weight %	Concentration (mg/g)			
D9-THC	<LOQ	<LOQ			
THCV	ND	ND			
CBD	99.6	996			
CBDV	0.280	2.80			
CBG	ND	ND			
CBC	ND	ND			
CBN	ND	ND			
THCA	ND	ND			
CBDA	ND	ND			
CBGA	ND	ND			
D8-THC	ND	ND			
exo-THC	ND	ND			
<b>Total</b>	<b>99.9</b>	<b>999</b>	<b>0%</b>	<b>Cannabinoids (wt%)</b>	<b>99.6%</b>
Max THC	<LOQ	<LOQ		Limit of Quantitation (LOQ) = 0.0250 wt%	
Max CBD	99.6	996		Limit of Detection (LOD) = 0.0083 wt%	

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation:  $MAX\ THC = (0.877 \times THCA) + THC$ . This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

**END OF REPORT**