# PM5 X Tokyo





Eurofins Scientific Inc. Quality Trait Analysis 8900 Beckett Rd. West Chester, OH 45069 Tel: (866) 968-7782 Fax: (513) 693-4030

Company: Colorado Hemp Solutions Reporting Date: 11/02/2020

## **Analysis Report**

Material: Hemp Floral

**Sample ID:** PM5 x TK 10/29/2020

QTA Analysis ID: AZ28F6343

**Analysis Date:** 10/29/2020 10:35:00 AM

Characteristics	Result
CBD, % As-is	0.51
CBDA, % As-is	14.24
THC, % Delta 9 As-is	0.19
THCA, % As-is	0.40
CBD, % Dry Base	0.53
CBDA, % Dry Base	14.77
Total CBD, % Dry Base	13.48
THC, % Delta 9 Dry Base	0.20
THCA, % Dry Base	0.41
Total THC, % Dry Base	0.56
Moisture, %	3.6
Total CBD, % As-is	13.00
Total THC, % As-is	0.54

#### Sample Identifiers

Sample ID: PM5 x TK 10/29/2020

Comments: Smokable

# Abacus





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Reporting Date: 11/02/2020

Company: Colorado Hemp Solutions

## **Analysis Report**

Material: Hemp Floral

**Sample ID:** AB 10/29/2020

QTA Analysis ID: AZ18E6343

**Analysis Date:** 10/29/2020 10:29:00 AM

Characteristics	Result
CBD, % As-is	0.63
CBDA, % As-is	16.32
THC, % Delta 9 As-is	0.24
THCA, % As-is	0.46
CBD, % Dry Base	0.65
CBDA, % Dry Base	16.86
Total CBD, % Dry Base	15.44
THC, % Delta 9 Dry Base	0.25
THCA, % Dry Base	0.48
Total THC, % Dry Base	0.66
Moisture, %	3.2
Total CBD, % As-is	14.94
Total THC, % As-is	0.64

#### Sample Identifiers

Sample ID: AB 10/29/2020

Comments: Smokable

# Sauce





Eurofins Scientific Inc. Quality Trait Analysis 8900 Beckett Rd. West Chester, OH 45069 Tel: (866) 968-7782

Reporting Date: 11/03/2020

Fax: (513) 693-4030

Company: Colorado Hemp Solutions

### **Certification of Analysis**

Material: Hemp Floral

**Sample ID:** Sauce 10/29/2020

QTA Analysis ID: AZ21D6343

**Analysis Date:** 10/29/2020 10:21:00 AM

Characteristics	Version	Result	Comment
CBD, % As-is	201002	0.49	
CBDA, % As-is	201002	>20	
THC, % Delta 9 As-is	201002	0.26	
THCA, % As-is	201002	0.62	
CBD, % Dry Base	110101	0.51	
CBDA, % Dry Base	110101	>20	
Total CBD, % Dry Base	110101	18.77	
THC, % Delta 9 Dry Base	110101	0.27	
THCA, % Dry Base	110101	0.64	
Total THC, % Dry Base	110101	0.83	
Moisture, %	201026	3.6	
Total CBD, % As-is	110101	18.09	
Total THC, % As-is	110101	0.80	

Respectfully Submitted,

muchael vapiella

Michael V. Apicella

Results shown in this report relate solely to the spectra submitted for analysis. All results are reported on an "As Received" basis unluess otherwise stated. Reports shall not be reproduced except in full without written permission of Eurofins QTA. Measurement of Uncertainty can be obtained upon request.



# **ABXTK**





Eurofins Scientific Inc. Quality Trait Analysis 8900 Beckett Rd. West Chester, OH 45069

Tel: (866) 968-7782 Fax: (513) 693-4030

Company: Colorado Hemp Solutions Reporting Date: 11/02/2020

## **Analysis Report**

Material: Hemp Floral

Sample ID: AB x TK 10/29/2020

QTA Analysis ID: AZ1027343

**Analysis Date:** 10/29/2020 10:47:00 AM

Characteristics	Result
CBD, % As-is	0.45
CBDA, % As-is	19.19
THC, % Delta 9 As-is	0.24
THCA, % As-is	0.57
CBD, % Dry Base	0.47
CBDA, % Dry Base	19.87
Total CBD, % Dry Base	17.89
THC, % Delta 9 Dry Base	0.25
THCA, % Dry Base	0.59
Total THC, % Dry Base	0.77
Moisture, %	3.4
Total CBD, % As-is	17.28
Total THC, % As-is	0.74

#### Sample Identifiers

Sample ID: AB x TK 10/29/2020

Comments: Smokable





#### **Cannabinoid Potency and Contaminant Analysis Report**

Sample Name: **CBG** 

Plant, Flower - Cured, Outdoor

2009AU0330.12856 Sample ID:

Batch ID:

Sample Type:

METRC Tag: 1A4000D0002EE65000000234 Colorado Hemp Solutions

3026 Us Hwy 50

Grand Junction, CO 81503

(970) 241-5317 Lic. #403H73695

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Analyte	LOQ	Amount	Amount	
	%	%	mg/g	
THCa	0.06	0.10	1.0	I
Δ9 <b>-</b> THC	0.06	ND	ND	
∆8 <b>-</b> THC	0.03	ND	ND	
CBDa	0.06	ND	ND	
CBD	0.06	ND	ND	
CBDVa	0.03	ND	ND	
CBDV	0.03	ND	ND	
CBN	0.03	ND	ND	
CBGa	0.03	14.18	141.8	
CBG	0.03	0.17	1.7	
CBCa	0.03	0.36	3.6	I and the second
CBC	0.03	0.06	0.6	
CBL	0.03	ND	ND	

Analyte	Total*			
THC	0.08%			
CBD	<loq< td=""></loq<>			
CBG	12.60%			
СВС	0.38%			
CBDV	<loq< td=""></loq<>			
*Total is the sum of the neutral (active) cannabine id and the				

Total is the sum of the neutral (active) cannabinoid and the completely converted acidic cannabinoid.

#### Sample Photo

#### **Residual Solvent Analysis**



Limit Amount Status Analyte Limit Amount Status Analyte

Final Approval

**Microbial Contaminants** 

Analyte

Amount

Status

Results Approved By: Lucas Mason, M.S. Lab Director

Results Analyzed By: Joshua Reilly

**Analyst** 

Received: 10/01/2020

Tested: 10/01/2020

Reported: 10/02/2020

Definitions: LOQ= Limit of Quantitation, ND = Not Detected, CFU/g = Colony Forming Units per Gram

This product has been tested by Aurum Labs using validated testing methodologies (unless specified in this report) and a Quality System as required by state law. Values reported related only to the product tested. Uncertainty information available upon request. Aurum Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, with the written approval of Aurum Labs.



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Sample: 2009AU0330.12856

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#### **Terpene Analysis Report**

Sample Name: CBG

Sample Type: Plant, Flower - Cured, Outdoor

Sample ID: 2009AU0330.12856

Batch ID:

METRC Tag: 1A4000D0002EE65000000234

Colorado Hemp Solutions

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3026 Us Hwy 50

Grand Junction, CO 81503

(970) 241-5317 Lic. #403H73695

#### Terpene Profile

Analyte	LOQ	Amount	Amount	
<u> </u>	mg/g	mg/g	%	
(-)-α-Bisabolol	0.20	1.14	0.114	
(-)-Guaiol	0.20	0.79	0.079	
Caryophyllene Oxide	0.20	0.64	0.064	
β-Caryophyllene	0.20	0.54	0.054	
Ocimene	0.20	0.50	0.050	
δ-3-Carene	0.20	0.47	0.047	
δ-Limonene	0.20	0.47	0.047	
β-Myrcene	0.20	0.42	0.042	
α-Humulene	0.20	0.38	0.038	
Linalool	0.20	0.34	0.034	
α-Pinene	0.20	ND	ND	
α-Terpinene	0.20	ND	ND	
β-Pinene	0.20	ND	ND	
Camphene	0.20	ND	ND	
cis-Nerolidol	0.08	ND	ND	
Eucalyptol	0.20	ND	ND	
y-Terpinene	0.20	ND	ND	
Geraniol	0.20	ND	ND	
(-)-Isopulegol	0.20	ND	ND	
p-Cymene	0.20	ND	ND	
Terpinolene	0.20	ND	ND	
trans-Nerolidol	0.12	ND	ND	











The aroma profile shown reflect the highest measured concentration, from top to bottom, respectively.

#### **Notes and Interpretations**

Analyzed via AAM-006 using Agilent 7697/7890 Headspace GC FID. Sample was analyzed as received. Deviations from SOP: None.

#### **Final Approval**

Results Approved By: Lucas Mason, M.S. Lab Director Results Analyzed By: Trey Murschell, PhD Senior Chemist

Received: 10/01/2020 Tested: 10/01/2020 Reported: 10/02/2020

 $\label{eq:definitions:loq=limit} Definitions: LOQ = Limit of Quantitation, ND = Not \ Detected, NT = Not \ Tested$ 

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Sample: 2009AU0330.12856

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#### **Cannabinoid Potency and Contaminant Analysis Report**

Sample Name: **CBG** 

Sample Type: Plant, Flower - Cured, Outdoor

2009AU0330.12857 Sample ID:

Batch ID:

METRC Tag: 1A4000D0002EE65000000235 Colorado Hemp Solutions

3026 Us Hwy 50

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Cannabino	oid Profi <b>l</b> e	Total Cannak	inoids
A	A	A 1 .	

Analyte	LOQ	Amount	Amount	
	%	%	mg/g	
THCa	0.06	<loq< th=""><th><loq< th=""><th></th></loq<></th></loq<>	<loq< th=""><th></th></loq<>	
Δ9 <del>-</del> THC	0.06	ND	ND	
Δ8 <b>-</b> THC	0.03	ND	ND	
CBDa	0.06	ND	ND	
CBD	0.06	ND	ND	
CBDVa	0.03	ND	ND	
CBDV	0.03	ND	ND	
CBN	0.03	ND	ND	
CBGa	0.03	11.44	114.4	
CBG	0.03	0.11	1.1	
CBCa	0.03	0.39	3.9	
CBC	0.03	0.04	0.4	
CBL	0.03	ND	ND	

Analyte	te Total*		
THC	<loq< td=""></loq<>		
CBD	<loq< td=""></loq<>		
CBG	10.14%		
СВС	0.38%		
CBDV	<loq< td=""></loq<>		

<sup>\*</sup>Total is the sum of the neutral (active) cannabinoid and the completely converted acidic cannabinoid.

#### Sample Photo

#### **Residual Solvent Analysis**



Limit Amount Status Analyte Limit Amount Status Analyte

**Final Approval** 

**Microbial Contaminants** 

Analyte

Amount

Status

Results Approved By: Lucas Mason, M.S. Lab Director

Results Analyzed By: Joshua Reilly **Analyst** 

Received: 10/01/2020

Tested: 10/01/2020

Reported: 10/02/2020

Definitions: LOQ= Limit of Quantitation, ND = Not Detected, CFU/g = Colony Forming Units per Gram

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Sample: 2009AU0330.12857





#### **Terpene Analysis Report**

Sample Name:

Sample Type: Plant, Flower - Cured, Outdoor

2009AU0330.12857 Sample ID:

Batch ID:

METRC Tag: 1A4000D0002EE65000000235 Colorado Hemp Solutions

3026 Us Hwy 50

Grand Junction, CO 81503

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Analyte	LOQ	Amount	Amount	
•	mg/g	mg/g	%	
(-)-α-Bisabo <b>lol</b>	0.20	1.52	0.152	
Ocimene	0.20	0.81	0.081	
(-)-Guaiol	0.20	0.70	0.070	
Caryophyllene Oxide	0.20	0.63	0.063	
δ-3-Carene	0.20	0.48	0.048	
δ-Limonene	0.20	0.46	0.046	
β-Myrcene	0.20	0.44	0.044	
β-Caryophyllene	0.20	0.43	0.043	
α-Humulene	0.20	0.33	0.033	
α-Pinene	0.20	ND	ND	
α-Terpinene	0.20	ND	ND	
β-Pinene	0.20	ND	ND	
Camphene	0.20	ND	ND	
cis-Nerolidol	0.08	ND	ND	
Eucalyptol	0.20	ND	ND	
y-Terpinene	0.20	ND	ND	
Geraniol	0.20	ND	ND	
Linalool	0.20	ND	ND	
(-)-Isopulegol	0.20	ND	ND	
p-Cymene	0.20	ND	ND	
Terpinolene	0.20	ND	ND	
trans-Nerolidol	0.12	ND	ND	

# **Notes and Interpretations**

# Chamomile









The aroma profile shown reflect the highest measured concentration, from top to bottom, respectively.

Analyzed via AAM-006 using Agilent 7697/7890 Headspace GC FID. Sample was analyzed as received. Deviations from SOP: None.

#### **Final Approval**

Results Approved By: Lucas Mason, M.S. Lab Director

Results Analyzed By: Trey Murschell, PhD Senior Chemist

Received: 10/01/2020 Tested: 10/01/2020 Reported: 10/02/2020

Definitions: LOQ= Limit of Quantitation, ND = Not Detected, NT = Not Tested

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