

# Autumn Brands 3.5g Mother's Milk

PASS



SAMPLE ID **398339** 

SAMPLE NAME

Autumn Brands 3.5g Mother's Milk

MATRIX Flower

. ......

1A4060300001519000007658

TRACK AND TRACE TEST PACKAGE 1A406030000F99E000234988

TRACK AND TRACE SOURCE PACKAGE(S)

1A4060300001519000007658

COLLECTED, RECEIVED

11/02/2021 15:06. 11/03/2021 08:48

BATCH SIZE, SAMPLE SIZE

19.75 lbs, 31.50 grams

MANUFACTURE DATE 10/29/2021

DISTRIBUTOR INFO

LCISM CORP 11630 PENDLETON ST SUN VALLEY, CA 913522501

License: C11-0001146-LIC

**CULTIVATOR INFO** 

Autumn Brands 3615 Foothill Rd

Carpinteria, CA 93013 License: CCL18-0002738

TOTAL	
<b>CANNABINOIDS</b>	

**29.21%** 

TOTAL THC 24.52%

TOTAL CBD ND

TOTAL TERPENES

4.15 %

**Chemical Residue** 

No Analytes Detected

PASS

Chemical Residue GC

No Analytes Detected

PASS

**Compliance Microbial** 

No Analytes Detected

PASS

**Heavy Metals** 

Lead: <LL00

PASS

**Mycotoxins** 

No Analytes Detected

PASS

**Moisture Content** 

Moisture Content: 11.58 %

NA

Filth and Foreign Material

No Analytes Detected

PASS

**Water Activity** 

aW: 0.6360 aw

**PASS** 





#### **CANNABINOID ANALYSIS**

- 1 Total THC,CBD value(s) are corrected for moisture, and the acids have undergone a calculation to mimic decarboxylation
- Total Cannabinoid value(s) are corrected for moisture content
- Individual Analyte value(s) are corrected for moisture content

TOTAL THC: 245.2 mg/g (24.52 %), 858.2 mg per package

TOTAL CBD: NE

TOTAL CANNABINOIDS: 292.1 mg/g (29.21%)

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	Д	ANALYTE F	RESULT	LOD	LLOQ
THCa	237.4 mg/g (23.74 %)	0.5000	1.0000	(	CBDa	<1 mg/g	0.5000	1.0000
D9THC	37.03 mg/g (3.703 %)	0.5000	1.0000	(	CBD I	ND	0.5000	1.0000
D8THC	ND	0.5000	1.0000	(	CBDv	ND	0.5000	1.0000
CBN	ND	0.5000	1.0000	(	CBCa :	2.311 mg/g (0.2311 %)	0.5000	1.0000
THCva	1.549 mg/g (0.1549 %)	0.5000	1.0000	(	CBC I	ND	0.5000	1.0000
THCv	ND	0.5000	1.0000	(	CBGa	9.495 mg/g (0.9495 %)	0.5000	1.0000
ExoTHC	ND	0.5000	1.0000	(	CBG	4.290 mg/g (0.4290 %)	0.5000	1.0000
CBL	ND	0.5000	1.0000					

#### ADDITIONAL INFORMATION

 Method:
 SOP-TECH-001
 Sample Prepped:
 11/03/2021 15:22
 Sample Approved:
 11/04/2021 14:19

 Instrument:
 UPLC-DAD
 Sample Analyzed:
 11/03/2021 16:27
 Prep-Analytical Batch:
 33774-27752



#### **TERPENE ANALYSIS**

• Total Terpene value(s) are corrected for moisture content

Individual Analyte value(s) are corrected for moisture content

TOTAL TERPENES: 41.51 mg/g (4.151 %)

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
3-Carene	ND	1.000	2.500	Alpha bisabolol	3.571 mg/g (0.3571 %)	0.1000	0.500
Alpha cedrene	ND	1.000	2.500	Alpha humulene	7.378 mg/g (0.7378 %)	0.5000	1.000
Alpha pinene	<ll0q< td=""><td>0.1000</td><td>1.000</td><td>Alpha terpinene</td><td>ND</td><td>0.5000</td><td>1.000</td></ll0q<>	0.1000	1.000	Alpha terpinene	ND	0.5000	1.000
Alpha terpineol	0.7629 mg/g (0.0763 %)	0.3260	0.6520	Beta caryophyllene	18.60 mg/g (1.860 %)	0.5000	1.000
Beta myrcene	4.845 mg/g (0.4845 %)	0.5000	1.000	Beta pinene	ND	0.6070	1.214
Borneol	ND	1.000	2.500	Camphene	ND	0.5000	1.000
Camphor	ND	0.1000	0.5000	Caryophyllene oxide	<ll0q< td=""><td>0.5000</td><td>2.500</td></ll0q<>	0.5000	2.500
Cedrol	ND	0.5000	1.000	Cis geraniol	ND	1.000	2.500
Cis nerolidol	ND	2.500	5.000	Eucalyptol	ND	0.1000	0.500
Fenchol	<ll0q< td=""><td>0.5000</td><td>1.000</td><td>Fenchone</td><td><ll0q< td=""><td>0.1000</td><td>0.500</td></ll0q<></td></ll0q<>	0.5000	1.000	Fenchone	<ll0q< td=""><td>0.1000</td><td>0.500</td></ll0q<>	0.1000	0.500
Gamma terpinene	ND	0.1000	0.5000	Gamma terpineol	ND	0.2090	0.523
Geranyl acetate	ND	0.1000	0.5000	Guaiol	ND	2.500	5.000
Isoborneol	ND	0.5000	1.000	Isopulegol	ND	2.500	5.000
Limonene	3.580 mg/g (0.3580 %)	0.5000	2.500	Linalool	2.780 mg/g (0.2780 %)	0.5000	1.000
Menthol	ND	1.000	2.500	Ocimene 1	ND	0.1550	0.3100
Ocimene 2	ND	0.3450	1.725	P-cymene	ND	0.5230	1.045

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# Regulatory Compliance Testing

P-mentha-1,5-diene	e ND	0.5000	1.000	Pulegone	ND	0.1000	0.5000
Sabinene	ND	0.5000	1.000	Terpinolene	ND	0.1000	0.5000
Trans beta farneser	eND	2.500	5.000	Trans geraniol	ND	0.5000	2.500
Trans nerolidol	<ll0q< td=""><td>0.5000</td><td>2.500</td><td>Valencene</td><td>ND</td><td>0.5000</td><td>1.000</td></ll0q<>	0.5000	2.500	Valencene	ND	0.5000	1.000

ADDITIONAL INFORMATION

SOP-TECH-027 Sample Approved: 11/04/2021 11:58 Method: Sample Prepped: 11/03/2021 11:45 GC-MS-FID 11/03/2021 11:46 Prep-Analytical Batch: 33763-27742 Instrument: Sample Analyzed:



## CHEMICAL RESIDUE ANALYSIS PASS



**UNIT OF MEASUREMENT:** Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION		ANALYTE	RESULT	LOD	LLOQ	ACTION	
Abamectin	ND	0.0200	0.0400	0.1000	Pass	Acephate	ND	0.0200	0.0400	0.1000	Pass
Acequinocyl	ND	0.0200	0.0400	0.1000	Pass	Acetamiprid	ND	0.0200	0.0400	0.1000	Pass
Aldicarb	ND	0.0200	0.0400	0.0	Pass	Azoxystrobin	ND	0.0200	0.0400	0.1000	Pass
Bifenazate	ND	0.0200	0.0400	0.1000	Pass	Bifenthrin	ND	0.0200	0.0400	3.000	Pass
Boscalid	ND	0.0200	0.0400	0.1000	Pass	Carbaryl	ND	0.0200	0.0400	0.5000	Pass
Carbofuran	ND	0.0200	0.0400	0.0	Pass	Chlorantraniliprole	ND	0.0200	0.0400	10.00	Pass
Clofentezine	ND	0.0200	0.0400	0.1000	Pass	Coumaphos	ND	0.0200	0.0400	0.0	Pass
Cyfluthrin	ND	0.4000	1.000	2.000	Pass	Cypermethrin	ND	0.4000	1.000	1.000	Pass
Daminozide	ND	0.0200	0.0400	0.0	Pass	Diazinon	ND	0.0200	0.0400	0.1000	Pass
Dichlorvos	ND	0.0200	0.0400	0.0	Pass	Dimethoate	ND	0.0200	0.0400	0.0	Pass
Dimethomorph	ND	0.0200	0.0400	2.000	Pass	Ethoprophos	ND	0.0200	0.0400	0.0	Pass
Etofenprox	ND	0.0200	0.0400	0.0	Pass	Etoxazole	ND	0.0200	0.0400	0.1000	Pass
Fenhexamid	ND	0.0200	0.0400	0.1000	Pass	Fenoxycarb	ND	0.0200	0.0400	0.0	Pass
Fenpyroximate	ND	0.0200	0.0400	0.1000	Pass	Fipronil	ND	0.0400	0.1000	0.0	Pass
Flonicamid	ND	0.0200	0.0400	0.1000	Pass	Fludioxonil	ND	0.0200	0.0400	0.1000	Pass
Hexythiazox	ND	0.0200	0.0400	0.1000	Pass	Imazalil	ND	0.0200	0.0400	0.0	Pass
Imidacloprid	ND	0.0200	0.0400	5.000	Pass	Kresoxim methyl	ND	0.0200	0.0400	0.1000	Pass
Malathion	ND	0.0200	0.0400	0.5000	Pass	Metalaxyl	ND	0.0200	0.0400	2.000	Pass
Methiocarb	ND	0.0200	0.0400	0.0	Pass	Methomyl	ND	0.0200	0.0400	1.000	Pass
Mevinphos	ND	0.0200	0.0400	0.0	Pass	Myclobutanil	ND	0.0200	0.0400	0.1000	Pass
Naled	ND	0.0200	0.0400	0.1000	Pass	0xamyl	ND	0.0200	0.0400	0.5000	Pass
Paclobutrazol	ND	0.0200	0.0400	0.0	Pass	Permethrins	ND	0.0400	0.1000	0.5000	Pass
Phosmet	ND	0.0200	0.0400	0.1000	Pass	Piperonyl butoxide	ND	0.0200	0.0400	3.000	Pass
Prallethrin	ND	0.0200	0.0400	0.1000	Pass	Propiconazole	ND	0.0200	0.0400	0.1000	Pass
Propoxur	ND	0.0200	0.0400	0.0	Pass	Pyrethrins	ND	0.0200	0.0400	0.5000	Pass
Pyridaben	ND	0.0200	0.0400	0.1000	Pass	Spinetoram	ND	0.0200	0.0400	0.1000	Pass
Spinosad	ND	0.0300	0.0700	0.1000	Pass	Spiromesifen	ND	0.0200	0.0400	0.1000	Pass
Spirotetramat	ND	0.0200	0.0400	0.1000	Pass	Spiroxamine	ND	0.0200	0.0400	0.0	Pass
Tebuconazole	ND	0.0200	0.0400	0.1000	Pass	Thiacloprid	ND	0.0200	0.0400	0.0	Pass
Thiamethoxam	ND	0.0200	0.0400	5.000	Pass	Trifloxystrobin	ND	0.0200	0.0400	0.1000	Pass

#### ADDITIONAL INFORMATION

Method: SOP-TECH-002 Sample Prepped: 11/03/2021 14:17 Sample Approved: 11/04/2021 12:44 LC-MS/MS Sample Analyzed: 11/03/2021 14:18 Prep-Analytical Batch: 33769-27747 Instrument:





#### CHEMICAL RESIDUE GC ANALYSIS PASS

**UNIT OF MEASUREMENT:** Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION	LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION	LEVEL
Captan	ND	0.1000	0.2000	0.7000	Pass	Chlordane	ND	0.0109	0.0136	0.0	Pass
Methyl parathion	ND	0.0400	0.1000	0.0	Pass	PCNB	ND	0.0200	0.0400	0.1000	Pass
Chlorfenapyr	ND	0.0800	0.1000	0.0	Pass	Chlorpyrifos	ND	0.0800	0.1000	0.0	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-010 Sample Prepped: 11/03/2021 14:18 Sample Approved: 11/04/2021 11:10 Prep-Analytical Batch: 33770-27749 GC-MS/MS 11/03/2021 14:19 Instrument: Sample Analyzed:



#### MICROBIAL qPCR ANALYSIS (PASS

**UNIT OF MEASUREMENT:** Cycle Threshold (Ct)

ANALYTE	RESULT	LOD	LLOQ	ACTIO	N LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION	LEVEL
A.fumigatus	ND	33.00	0.0	0.0	Pass	A. flavus	ND	33.00	0.0	0.0	Pass
A. niger	ND	33.00	0.0	0.0	Pass	A. terreus	ND	33.00	0.0	0.0	Pass
STEC	ND	33.00	0.0	0.0	Pass	Salmonella spp	ND	33.00	0.0	0.0	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-016, SOP-TECH-022 Sample Prepped: 11/03/2021 17:02 Sample Approved: 11/04/2021 17:48 Instrument: qPCR Sample Analyzed: 11/04/2021 09:42 Prep-Analytical Batch: 33777-27756



#### **HEAVY METALS ANALYSIS**



**UNIT OF MEASUREMENT:** Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	<b>ACTION LEVEL</b>	ANALYTE	RESULT	LOD	LLOQ	<b>ACTION LEVEL</b>
Arsenic	ND	0.0120	0.1000	0.2000 Pass	Cadmium	ND	0.0072	0.0500	0.2000 Pass
Lead	<ll0q< td=""><td>0.0068</td><td>0.0500</td><td>0.5000 Pass</td><td>Mercury</td><td>ND</td><td>0.0060</td><td>0.0500</td><td>0.1000 Pass</td></ll0q<>	0.0068	0.0500	0.5000 Pass	Mercury	ND	0.0060	0.0500	0.1000 Pass

ADDITIONAL INFORMATION

SOP-TECH-013 Sample Prepped: 11/03/2021 10:58 Sample Approved: 11/03/2021 15:54 ICP-MS Sample Analyzed: 11/03/2021 10:59 Prep-Analytical Batch: 33761-27741 Instrument:





#### **MYCOTOXINS ANALYSIS**

PASS

UNIT OF MEASUREMENT: Micrograms per Kilogram(ug/kg)

ANALYTE	RESULT	LOD	LLOQ	ACTION	LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION	LEVEL
Aflatoxin B1	ND	1.000	2.000		N/A	Aflatoxin B2	ND	2.000	5.000		N/A
Aflatoxin G1	ND	2.000	5.000		N/A	Aflatoxin G2	ND	2.000	5.000		N/A
<b>Total Aflatoxins</b>	ND	10.00	14.00	20.00	Pass	Ochratoxin A	ND	1.000	2.000	20.00	Pass

ADDITIONAL INFORMATION

 Method:
 SOP-TECH-020
 Sample Prepped:
 11/03/2021 14:18
 Sample Approved:
 11/04/2021 11:16

 Instrument:
 LC-MS/MS
 Sample Analyzed:
 11/03/2021 14:19
 Prep-Analytical Batch:
 33768-27748



### **MOISTURE CONTENT ANALYSIS**

UNIT OF MEASUREMENT: Percent Moisture Content(%)

ANALYTE RESULT LOD LLOQ ANALYTE RESULT LOD LLOQ

Moisture Content 11.58 % 0.0 0.0

ADDITIONAL INFORMATION

 Method:
 SOP-TECH-017
 Sample Prepped:
 11/04/2021 11:34
 Sample Approved:
 11/04/2021 11:55

 Instrument:
 Moisture Analyzer
 Sample Analyzed:
 11/04/2021 11:43
 Prep-Analytical Batch:
 33781-27760



### FILTH & FOREIGN MATERIAL ANALYSIS

PASS

UNIT OF MEASUREMENT: Filth and Foreign Matter (%, #/3g)

**ANALYTE RESULT** LOD LLOQ **ACTION LEVEL ANALYTE** RESULT LOD LLOQ **ACTION LEVEL** IF RH ME ND 0.0 0.0 1.000 Pass IFM ND 0.0 0.0 25.00 Pass ND SSCD ND Pass Mold 0.0 25.00 Pass 0.0 0.0 25.00

ADDITIONAL INFORMATION

 Method:
 SOP-TECH-009
 Sample Prepped:
 11/03/2021 18:13
 Sample Approved:
 11/03/2021 18:15

 Instrument:
 Visual Inspection
 Sample Analyzed:
 11/03/2021 18:13
 Prep-Analytical Batch:
 33779-27755





### WATER ACTIVITY ANALYSIS

PASS

UNIT OF MEASUREMENT: Water Activity Units(aw)

ANALYTE RESULT LOD LLOQ ACTION LEVEL ANALYTE RESULT LOD LLOQ ACTION LEVEL

AW 0.6360 aw 0.0 0.0 0.6501 Pass

ADDITIONAL INFORMATION

 Method:
 SOP-TECH-018
 Sample Prepped:
 11/03/2021 15:25
 Sample Approved:
 11/03/2021 17:58

 Instrument:
 Water Activity Meter
 Sample Analyzed:
 11/03/2021 15:26
 Prep-Analytical Batch:
 33773-27751

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

THIS COA WAS REVIEWED AND APPROVED ON 11/04/2021 IN ACCORDANCE WITH REGULATORY REQUIREMENTS

Kayleen Sabino

**Executive Vice President of Operations**