



## Certificate of Analysis

Anano Technologies  
6080 Greenwood Plaza Blvd Unit B  
Greenwood Village Colorado 80111

<b>Sample Name:</b>	<b>30g Topical Cream</b>	<b>Eurofins Sample:</b>	<b>11287142</b>
<b>Project ID</b>	ANANO_TECH-20211122	<b>Base Date</b>	27-Dec-2021
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	C51298-30	<b>Pull Date</b>	27-Dec-2021
<b>Description</b>	Produced by CA Botana	<b>Date Started</b>	27-Dec-2021
		<b>Sampled</b>	Sample results apply as received
		<b>Timepoint</b>	Initial

Analysis	Result
<b>Industrial Hemp Cannabinoid Profile</b>	
CBDVA	None detected at detection limit of 0.0004 %
CBDV	0.00775 %
CBDA	None detected at detection limit of 0.0004 %
CBGA	None detected at detection limit of 0.0004 %
CBG	None detected at detection limit of 0.0008 %
CBD	2.15 %
THCV	None detected at detection limit of 0.0008 %
CBN	None detected at detection limit of 0.0004 %
Delta 9-THC	None detected at detection limit of 0.0008 %
Delta 8-THC	None detected at detection limit of 0.0017 %
THCA	None detected at detection limit of 0.0017 %
CBC	None detected at detection limit of 0.0008 %
THCVA	None detected at detection limit of 0.0004 %
CBNA	None detected at detection limit of 0.0004 %
CBCA	None detected at detection limit of 0.0017 %
CBL	None detected at detection limit of 0.0004 %
Total Cannabinoids	2.16 %
Total THC (THC + (THCA x 0.877))	Not Detected %
Total CBD (CBD + (CBDA x 0.877))	2.15 %

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Analysis	Result
<b>Organoleptic Evaluation *</b>	
Appearance	White, viscous cream; no separation noted
Package Appearance	White, pump bottle
Characteristic Odor	Herbal odor detected
<b>Viscosity *</b>	
Viscosity	20200 cP
Temperature, Spindle, Speed	25.0 C, T-D, 10 rpm
<b>pH</b>	
pH	6.46
<b>Peroxide Value</b>	
Peroxide Value	1.9 mEq/kg of fat
<b>Aerobic Plate Count *</b>	
Aerobic Plate Count	<100 CFU/g
<b>E. Coli *</b>	
Escherichia Coli	Absent /1 g
<b>Salmonella USP *</b>	
Salmonella	Absent /10 g
<b>Staphylococcus *</b>	
Staphylococcus Aureus	Absent /1 g
<b>Yeast and Mold Count *</b>	
Combined Yeast and Mold Count	<100 CFU/g
<b>Suitability of Test Method *</b>	
Aerobic Plate Suitability Result	PASS
Total Combined Yeast-Molds Count	PASS
E. coli Suitability Result	PASS
Salmonella Suitability Result	PASS
Staphylococcus Suitability Result	PASS
<b>Coliform Count *</b>	
Coliform Plate Count	<10 CFU/g

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### Method References

### Testing Location

#### Aerobic Plate Count (USPC\_61)

#### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP current revision, Chapter 61.

To satisfy the requirements of the USP, the suitability of Test Method must be completed on each matrix.

\*\*Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

#### Coliform Count (COLIPC)

#### EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

Compendium of Methods for the Microbiological Examination of Foods: Enterobacteriaceae, Coliforms, and Escherichia coli as Quality and Safety Indicators, Chapter 8, 4th Edition, 2001.

#### E. Coli (USPE\_62)

#### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP current revision, Chapter 62.

To satisfy the requirements of the USP, the suitability of Test Method must be completed on each matrix.

\*\*Based on the suitability of the test method results, conditions stipulated are adequate for detecting the presence of the specified microorganism.

#### Industrial Hemp Cannabinoid Profile (IHCBD\_S)

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC 2018.11, AOAC International, Gaithersburg, MD (Modified).

#### Organoleptic Evaluation (ORGE)

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

INTERNAL SOP DESIGNED TO SUPPLEMENT THE UNITED STATES PHARMACOPEIA, 25TH EDITION, PAGE 2363, USP CONVENTION, INC., ROCKVILLE, MD., 2002.

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### Peroxide Value (PVFF\_S)

**Food Integrity Innovation-Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Method 965.33. AOAC INTERNATIONAL, (modified).  
United States Pharmacopeia, 36th Rev, "Peroxide Value", <401> Fats & Fixed Oils, USP  
Convention, Rockville, MD, p.173, (2013) (modified).

United States Pharmacopeia, 37th Rev., "Preparation and Standardization:, Volumetric Solutions, USP Convention, Rockville, MD, p. 1460-  
1461, (2014), (modified).

Lipid extraction: Official Methods of Analysis, Official Method 983.23. AOAC INTERNATIONAL, (modified).

### pH (PHAL\_S)

**Food Integrity Innovation-Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis of AOAC INTERNATIONAL. 18th Ed., Method 981.12, AOAC INTERNATIONAL. Gaithersburg, MD.

Food Chemical Codex 7th Ed., The United States Pharmacopeia Convention (2010) Appendix II.

United States Pharmacopeia, 32nd Rev.-National Formulary 27th Ed., USP Convention, Inc., Rockville, MD (2009) General Chapter 791.

### Salmonella USP (USPS\_62)

**Eurofins Micro Lab - Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP current revision, Chapter 62.

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specified microorganism.

### Staphylococcus (USPA\_62)

**Eurofins Micro Lab - Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP current revision, Chapter 62.

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\*\*Based on the suitability of the test method results, conditions stipulated are adequate for detecting the presence of the  
specified microorganism.

### Suitability of Test Method (USPA\_SOT)

**Eurofins Micro Lab - Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

### Suitability of Test Method (USPC\_SOT)

**Eurofins Micro Lab - Madison**

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**Suitability of Test Method (USPE\_SOT)**

**Eurofins Micro Lab - Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

**Suitability of Test Method (USPM\_SOT)**

**Eurofins Micro Lab - Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

**Suitability of Test Method (USPS\_SOT)**

**Eurofins Micro Lab - Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

**Viscosity (VSCT\_S)**

**Food Integrity Innovation-Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

EPA Product Properties Test Guidelines, OPPTS 830.7100, Viscosity (1996).  
United States Pharmacopeia, 40th Rev., <912>, USP Convention. Rockville, Maryland (2016).  
Client Supplied Method

**Yeast and Mold Count (USPM\_61)**

**Eurofins Micro Lab - Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP current revision, Chapter 61.

To satisfy the requirements of the USP, the suitability of Test Method must be completed on each matrix.

\*\*Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

**Testing Location(s)**

**Released on Behalf of Eurofins by**

**Food Integrity Innovation-Madison**

**Edward Ladwig - President Eurofins Food  
Chemistry Testing Madison**

Eurofins Food Chemistry Testing Madison, Inc.  
6304 Ronald Reagan Ave  
Madison WI 53704  
800-675-8375



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Analysis	Result
<b>Elements by ICP Mass Spectrometry</b>	
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	<5.00 ppb
Mercury	<5.00 ppb

Method References	Testing Location
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**Elements by ICP Mass Spectrometry (ICP\_MS\_S)**

**Food Integrity Innovation-Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).

Paquette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

Testing Location(s)	Released on Behalf of Eurofins by
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**Food Integrity Innovation-Madison**

**Edward Ladwig - President Eurofins Food  
Chemistry Testing Madison**

Eurofins Food Chemistry Testing Madison, Inc.  
6304 Ronald Reagan Ave  
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