

## Certificate of Analysis

### Anano Technologies

6080 Greenwood Plaza Blvd Unit B  
Greenwood Village Colorado 80111

Bulk Lot: B20000359  
Packaged Lot: B21000015

<b>Sample Name:</b>	<b>nextCBD50D</b>	<b>Eurofins Sample:</b>	<b>10010974</b>
<b>Project ID</b>	ANANO_TECH-20201105-0033	<b>Receipt Date</b>	06-Nov-2020
<b>PO Number</b>	OTHER	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	B20000359	<b>Login Date</b>	05-Nov-2020
<b>Sample Serving Size</b>	2 Softgel	<b>Date Started</b>	09-Nov-2020
<b>Description</b>	5CS-BD 5	<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	14102-1466DEC6

Analysis	Result	Result per Serving
<b>Calculated Sample Weight *</b>		
Entity Weight	0.7856 g	
Entity Fill Weight	0.5128 g	
<b>Industrial Hemp Cannabinoid Profile</b>		
CBDVA	<0.00250 %	<0.0256 mg/Serving Size
CBDV	0.0517 %	0.530 mg/Serving Size
CBDA	<0.00250 %	<0.0256 mg/Serving Size
CBGA	<0.00250 %	<0.0256 mg/Serving Size
CBG	0.166 %	1.71 mg/Serving Size
CBD	5.31 %	54.5 mg/Serving Size
THCV	<0.00250 %	<0.0256 mg/Serving Size
CBN	<0.00250 %	<0.0256 mg/Serving Size
Delta 9-THC	<0.00250 %	<0.0256 mg/Serving Size
Delta 8-THC	<0.00500 %	<0.0513 mg/Serving Size
THCA	<0.00250 %	<0.0256 mg/Serving Size
CBC	<0.00250 %	<0.0256 mg/Serving Size
THCVA	<0.00250 %	<0.0256 mg/Serving Size
CBNA	<0.00250 %	<0.0256 mg/Serving Size
CBCA	<0.00250 %	<0.0256 mg/Serving Size
CBL	<0.00250 %	<0.0256 mg/Serving Size
Total Cannabinoids	5.53 %	56.7 mg/Serving Size
Total THC (THC + (THCA x 0.877))	<0.00250 %	<0.0256 mg/Serving Size
Total CBD (CBD + (CBDA x 0.877))	5.31 %	54.5 mg/Serving Size
<b>Aerobic Plate Count *</b>		
Aerobic Plate Count	10 CFU/g	
<b>Coliforms (Petrifilm)</b>		
Total coliforms	<10 CFU/g	
<b>E. coli *</b>		
Escherichia Coli	Absent /10 g	
<b>Salmonella USP *</b>		

\* This analysis or component is not ISO accredited.

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Analysis	Result	Result per Serving
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**Salmonella USP \***

Salmonella Absent /25 g

**Yeast and Mold Count \***

Yeast Count <10 CFU/g

Mold Count <10 CFU/g

**Preparatory Testing of Nutritional and Dietary Supplements \***

Salmonella Suitability Result PASS

E. coli Suitability Result PASS

Aerobic Plate Suitability Result PASS

Yeast and Mold Suitability PASS

**Elements by ICP Mass Spectrometry**

Arsenic <10.0 ppb

Cadmium <5.00 ppb

Lead <5.00 ppb

Mercury <5.00 ppb

Analysis	Limit	Result	Pass/Fail
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**Mycotoxins in Raw Materials**

Aflatoxin B1 <0.300 ppb

Aflatoxin B2 <0.300 ppb

Aflatoxin G1 <0.300 ppb

Aflatoxin G2 <0.300 ppb

Aflatoxin M1 <0.300 ppb

Aflatoxin M2 <0.300 ppb

Deoxynivalenol <56.0 ppb

T-2 Toxin <5.60 ppb

HT-2 Toxin <56.0 ppb

Fumonisin B1 <14.3 ppb

Fumonisin B2 <14.0 ppb

Ochratoxin A <1.00 ppb

Zearalenone <16.7 ppb

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>			
Abamectin		<0.30 mg/kg	
Aldicarb		<0.10 mg/kg	
Aldicarb sulfone (Aldoxycarb)		<0.10 mg/kg	
Aldicarb sulfoxide		<0.10 mg/kg	
Azoxystrobin		<0.10 mg/kg	
Bifenazate		<0.10 mg/kg	
Bifenthrin		<0.10 mg/kg	
Carbaryl		<0.10 mg/kg	
Carbofuran		<0.10 mg/kg	
Carbofuran-3-hydroxy-		<0.10 mg/kg	
Chlorantraniliprole		<0.10 mg/kg	
Chlordane, cis-		<0.10 mg/kg	
Chlordane, trans-		<0.10 mg/kg	
Chlorfenapyr		<0.10 mg/kg	
Chlorpyrifos		<0.10 mg/kg	
Coumaphos		<0.10 mg/kg	
Cyfluthrin		<0.10 mg/kg	
Cypermethrin		<0.10 mg/kg	
Cyproconazole (2 diastereoisomers)		<0.10 mg/kg	
Cyprodinil		<0.10 mg/kg	
Dichlorvos		<0.10 mg/kg	
Diclobutrazol		<0.10 mg/kg	
Dipropetryn		<0.10 mg/kg	
Disulfoton		<0.10 mg/kg	
Endosulfan I (alpha-isomer)		<0.20 mg/kg	
Endosulfan II (beta-isomer)		<0.20 mg/kg	
Endosulfan sulfate		<0.20 mg/kg	
Epoxiconazole		<0.10 mg/kg	
Ethiofencarb		<0.10 mg/kg	
Etofenprox		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>			
Etoxazole		<0.10 mg/kg	
Fenoxycarb		<0.10 mg/kg	
Fenpropathrin		<0.10 mg/kg	
Fenvalerate/Esfenvalerate (sum of isomers)		<0.20 mg/kg	
Fipronil		<0.10 mg/kg	
Fipronil desulfinyl		<0.10 mg/kg	
Fipronil sulfone		<0.10 mg/kg	
Imazalil		<0.10 mg/kg	
Imidacloprid		<0.10 mg/kg	
Malathion		<0.10 mg/kg	
Methiocarb		<0.10 mg/kg	
Methiocarb sulfone		<0.10 mg/kg	
Methiocarb sulfoxide		<0.10 mg/kg	
Methomyl		<0.10 mg/kg	
Metolachlor		<0.10 mg/kg	
Mevinphos (E- and Z-isomers)		<0.10 mg/kg	
Myclobutanil		<0.10 mg/kg	
Naled (Dibrom)		<0.10 mg/kg	
Paclobutrazol		<0.10 mg/kg	
Permethrin (sum of isomers)		<0.10 mg/kg	
Propoxur		<0.10 mg/kg	
Pyrethrum (total)		<1.0 mg/kg	
Spinetoram (spinosyns J and L)		<0.10 mg/kg	
Spinosad (spinosyns A and D)		<0.10 mg/kg	
Spirodiclofen		<0.10 mg/kg	
Spiromesifen		<0.10 mg/kg	
Spirotetramat		<0.10 mg/kg	
Spiroxamine (2 diastereoisomers)		<0.10 mg/kg	
Tebuconazole		<0.10 mg/kg	
Thiabendazole		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>			
Thiabendazole-5-hydroxy-		<0.10 mg/kg	
Thiacloprid		<0.10 mg/kg	
Trifloxystrobin		<0.10 mg/kg	

Analysis	LOQ	Limit	Result	Pass/Fail
<b>Residual Solvents - Class 3</b>				
1-Butanol	200 ppm	5000 ppm	<200 ppm	Pass
1-Pentanol	200 ppm	5000 ppm	<200 ppm	Pass
1-Propanol	200 ppm	5000 ppm	<200 ppm	Pass
2-Butanol	200 ppm	5000 ppm	<200 ppm	Pass
Methylethylketone	200 ppm	5000 ppm	<200 ppm	Pass
3-Methyl-1-butanol	200 ppm	5000 ppm	<200 ppm	Pass
Acetic Acid Butyl Ester	200 ppm	5000 ppm	<200 ppm	Pass
Acetone	200 ppm	5000 ppm	<200 ppm	Pass
Anisole	200 ppm	5000 ppm	<200 ppm	Pass
Diethyl Ether	200 ppm	5000 ppm	<200 ppm	Pass
Ethanol	200 ppm	5000 ppm	683 ppm	Pass
Ethyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Ethyl Formate	500 ppm	5000 ppm	<500 ppm	Pass
2-Methyl-1-propanol	200 ppm	5000 ppm	<200 ppm	Pass
Isobutyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
2-Propanol	200 ppm	5000 ppm	<200 ppm	Pass
Isopropyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Methyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Methylisobutylketone	200 ppm	5000 ppm	<200 ppm	Pass
tert-Butylmethyl Ether	200 ppm	5000 ppm	<200 ppm	Pass
n-Heptane	200 ppm	5000 ppm	<200 ppm	Pass
n-Pentane	200 ppm	5000 ppm	<200 ppm	Pass
Propyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Total Class 3 Residual Solvents	5000 ppm	5000 ppm	<5000 ppm	Pass

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#### Method References

#### Testing Location

##### Aerobic Plate Count (USPC2021)

**Food Integ. Innovation-Madison NE**  
2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test 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.

##### Calculated Sample Weight (PREP)

**Food Integrity Innovation-Madison**  
3301 Kinsman Blvd Madison, WI 53704 USA

##### Coliforms (Petrifilm) (COLIPET)

**Food Integ. Innovation-Madison NE**  
2102 Wright Street Madison, WI 53704 USA

AOAC 989.10; AOAC 986.33; AOAC 991.14

##### E. coli (USPE2022)

**Food Integ. Innovation-Madison NE**  
2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2022.

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

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

##### Elements by ICP Mass Spectrometry (ICP\_MS\_S)

**Food Integrity Innovation-Madison**  
3301 Kinsman Blvd 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).

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

**Food Integrity Innovation-Madison**  
3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis, Method 2018.11, AOAC INTERNATIONAL, (Modified). Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection," First Action Method, Journal of AOAC International, Future Issue

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Method References	Testing Location
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**Multi-Residue Analysis for hemp products - 60+ compounds (PEST\_HEMP)**

**Food Integrity Innovation-Madison**

3301 Kinsman Blvd Madison, WI 53704 USA

*Official Methods of Analysis, AOAC Official Method 2007.01*, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

*CEN Standard Method EN 15662*: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

**Mycotoxins in Raw Materials (MYCO\_REG\_S)**

**Food Integrity Innovation-Madison**

3301 Kinsman Blvd Madison, WI 53704 USA

Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schumacher, R., Krska, R. and Berthiller, F., "Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS," *Analytical and BioAnalytical Chemistry*, 402:2675-2686 (2012).

**Preparatory Testing of Nutritional and Dietary Supplements (USPC\_PT)**

**Food Integ. Innovation-Madison NE**

2102 Wright Street Madison, WI 53704 USA

**Preparatory Testing of Nutritional and Dietary Supplements (USPE\_PT)**

**Food Integ. Innovation-Madison NE**

2102 Wright Street Madison, WI 53704 USA

**Preparatory Testing of Nutritional and Dietary Supplements (USPM\_PT)**

**Food Integ. Innovation-Madison NE**

2102 Wright Street Madison, WI 53704 USA

**Preparatory Testing of Nutritional and Dietary Supplements (USPS\_PT)**

**Food Integ. Innovation-Madison NE**

2102 Wright Street Madison, WI 53704 USA

**Residual Solvents - Class 3 (USPR\_S)**

**Food Integrity Innovation-Madison**

3301 Kinsman Blvd Madison, WI 53704 USA

United States Pharmacopeia, 38nd Rev. - National Formulary 33th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015). (Modified).

**Salmonella USP (USPS2022)**

**Food Integ. Innovation-Madison NE**

2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2022.

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

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#### Method References

#### Testing Location

#### Yeast and Mold Count (USPM2021)

#### Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test 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.  
3301 Kinsman Blvd  
Madison WI 53704  
800-675-8375



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#### Food Integ. Innovation-Madison NE

#### Shannon Jacoby - Business Unit Manager

Eurofins Food Chemistry Testing US, Inc.  
2102 Wright Street  
Madison WI 53704  
800-675-8375



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These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.

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