

Client:

Harrelson's Own
30765 PCH #107 Malibu, CA 90265

<u>Approval Date</u>	: April 08, 2020	<u>Labeled Age Grade/Size</u>	: NA
<u>Date of Receipt</u>	: April 08, 2020	<u>Tested Age Grade</u>	: NA
<u>Retest</u>	: No	<u>Test Request Form #</u>	: TRF20034133
<u># of Samples Submitted</u>	: 1 set of 6		
<u>Manufacturer's Name</u>	: Harrelson's Own		
<u>Item Description</u>	: Oral Full Spectrum Nano Emulsified Water-Soluble Organic CBD Spray		
<u>Item Number</u>	: NA		
<u>Country of Origin</u>	: US		
<u>Country of Import</u>	: NA		
<u>PO Number</u>	: NA		
<u>Delivery Conditions</u>	: Satisfactory, Samples tested as received		
<u>Testing Date Range</u>	: 04-08-2020 to 04-22-2020		

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	RESULT
Class 3 Residual Solvents (CUS097)**	See Attachment
Compound Pesticide Residue (CUS097)**	See Attachment
Escherichia coli (CUS097)**	See Attachment
Heavy Metals [As, Cd, Hg, Pb] (CUS097)**	See Attachment
Industrial Hemp Cannabinoid Potency (CUS097)**	See Attachment
Mycotoxins [Aflatoxin & Ochratoxin A] (CUS097)**	See Attachment
Pseudomonas aeruginosa (CUS097)**	See Attachment
Salmonella spp. (CUS097)**	See Attachment
Staphylococcus aureus (CUS097)**	See Attachment
Total Plate count (CUS097)**	See Attachment
Total Yeast and Mold count (CUS097)**	See Attachment

** Analysis completed by Eurofins Subcontract Laboratory

Signed for and on behalf of
Eurofins Product Testing US Inc.



Jhniva Chapman / Project Manager

This report relates to the above mentioned test item(s) and the extent to tests performed. This test report is not permitted to be reproduced except in full, without written permission of the test facility. This test report does not entitle any safety marks on this or similar products. The sample and the information regarding sample have been provided by the client. All information related to the sample are under liability of the client and have not been checked by Eurofins Product Testing US Inc.

ATTACHMENT

Certificate of Analysis

Eurofins Product Testing US

11720 North Creek Pkwy
Suite 400
Bothell Washington 98011

Sample Name:	Oral Full Spectrum Nano Emulsified Water Soluble Organic CBD spray	Eurofins Sample:	9434846
Project ID	EUROFINS-20200410-1167	Receipt Date	10-Apr-2020
PO Number	Q1600337r2	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	10-Apr-2020
Description	U004039-01	Date Started	13-Apr-2020
		Sampled	Sample results apply as received

Analysis

Result

Industrial Hemp Cannabinoid Profile

CBDVA	<0.00250 %
CBDV	0.00831 %
CBDA	0.00966 %
CBGA	<0.00250 %
CBG	0.0201 %
CBD	1.69 %
THCV	<0.00250 %
CBN	0.00828 %
Delta 9-THC	0.0624 %
Delta 8-THC	<0.00500 %
THCA	<0.00250 %
CBC	0.0835 %
THCVA	<0.00250 %
CBNA	<0.00250 %
CBCA	<0.00250 %
CBL	0.00678 %
Total Cannabinoids	1.89 %
Total THC (THC + (THCA x 0.877))	0.0624 %
Total CBD (CBD + (CBDA x 0.877))	1.70 %

Aerobic Plate Count *

Aerobic Plate Count	<10 CFU/g
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E. coli *

Escherichia Coli	Absent /10 g
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Pseudomonas aeruginosa USP *

Pseudomonas Aeruginosa	Absent /10 g
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Salmonella USP *

Salmonella	Absent /10 g
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Staphylococcus *

Staphylococcus Aureus	
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Yeast and Mold Count *

Yeast Count	>15000 CFU/g
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* This analysis or component is not ISO accredited.

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Analysis	Result
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Yeast and Mold Count *

Mold Count <10 CFU/g

Preparatory Testing of Nutritional and Dietary Supplements *

Aerobic Plate Suitability Result Pass**

E. coli Suitability Result Pass**

Yeast and Mold Suitability Pass**

Salmonella Suitability Result Pass**

Pseudomonas Suitability Result Pass**

Preparatory Testing of Nutritional and Dietary Supplements - Retest *

Staphylococcus Suitability Result
Neutralization of the product is not applicable, due to the microbicidal activity of the product, it is not likely to contain specified microorganism

Elements by ICP Mass Spectrometry

Arsenic 19.5 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 <0.500 ppb

Aflatoxin B2 <0.500 ppb

Aflatoxin G1 <0.500 ppb

Aflatoxin G2 <0.500 ppb

Aflatoxin M1 <0.500 ppb

Aflatoxin M2 <0.500 ppb

Deoxynivalenol <100 ppb

T-2 Toxin <10.0 ppb

HT-2 Toxin <100 ppb

Fumonisin B1 <25.0 ppb

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Analysis	Limit	Result	Pass/Fail
Mycotoxins in Raw Materials			
Fumonisin B2		<25.0 ppb	
Ochratoxin A		<1.00 ppb	
Zearalenone		<30.0 ppb	
Multi-Residue Analysis for hemp products - 60+ compounds			
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	

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Analysis	Limit	Result	Pass/Fail
Multi-Residue Analysis for hemp products - 60+ compounds			
Endosulfan sulfate		<0.20 mg/kg	
Epoxiconazole		<0.10 mg/kg	
Ethiofencarb		<0.10 mg/kg	
Etofenprox		<0.10 mg/kg	
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	

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Analysis	Limit	Result	Pass/Fail
Multi-Residue Analysis for hemp products - 60+ compounds			
Spirotetramat		<0.10 mg/kg	
Spiroxamine (2 diastereoisomers)		<0.10 mg/kg	
Tebuconazole		<0.10 mg/kg	
Thiabendazole		<0.10 mg/kg	
Thiabendazole-5-hydroxy-		<0.10 mg/kg	
Thiacloprid		<0.10 mg/kg	
Trifloxystrobin		<0.10 mg/kg	

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 3				
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	<200 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

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Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 3				
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

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.

E. coli (USPE2022)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2022.

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Method References

Testing Location

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

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 - Retest (USPA_PT)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

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

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Method References

Testing Location

Preparatory Testing of Nutritional and Dietary Supplements (USPS_PT)

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

Preparatory Testing of Nutritional and Dietary Supplements (USPU_PT)

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

Pseudomonas aeruginosa USP (USPU2022)

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

USP27-NF22 General 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.

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.

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

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Staphylococcus (USPA2022)

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

USP Current revision, Chapter 2022.

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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 - Director

Eurofins Food Chemistry Testing US, Inc.
3301 Kinsman Blvd
Madison WI 53704
800-675-8375



2918.01

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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