

CERTIFICATE OF ANALYSIS

Product Name:	ONP CBD HIP & JOINT SOFT CHEW 60CT	LOT NUMBER:	3236933
Item Code:	052.002769	BEST BY DATE:	08/2025

COMMODITY: PET
 DESCRIPTION: CHEWS IN JAR
 PACKAGING: 16OZ CLEAR PET JAR, 89/400
 89-400 WHITE, SMOOTH FOIL INDUCTION LID, PET, HDPE, PP COMP
 SERVING SIZE: 1 CHEW (4.0 GRAMS)
 GUARANTEED ANALYSIS:

DETERMINATION		SPECIFICATION	UNITS	RESULTS	METHOD
TOTAL AEROBIC COUNT **	<	100000	CFU/g	PASS	QC-MICRO001
YEAST AND MOLD**	<	1000	CFU/g	PASS	QC-MICRO001
E.COLI**		ND/10g	COUNT	CONFORMS	QC-MICRO001
SALMONELLA**		ND/10g	COUNT	CONFORMS	QC-MICRO001

Approved by: Vanessa K. Fair
Quality Assurance

8/21/23
Date

Certificate of Analysis

Sample Name:	ONP CBD Hip and Joint BME Composite	Eurofins Sample:	13203717
Project ID	UCKEL_HE_N-20230808-0142	Receipt Date	10-Aug-2023
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	3236933	Login Date	08-Aug-2023
Sample Serving Size	4 g	Date Started	10-Aug-2023
		Sampled	Sample results apply as received
		Online Order	901-2023-E048676

Analysis	RSD	Specifications	Result
Industrial Hemp Cannabinoid Profile			
CBDVA	0.0%		None detected at detection limit of 0.0004 %
CBDV	0.0%		None detected at detection limit of 0.0008 %
CBDA	0.0%		None detected at detection limit of 0.0004 %
CBGA	0.0%		None detected at detection limit of 0.0004 %
CBG	0.0%		0.00496 %
CBD	0.0%		0.137 %
THCV	0.0%		None detected at detection limit of 0.0008 %
CBN	0.0%		<0.00250 %
Delta 9-THC	0.0%		None detected at detection limit of 0.0008 %
Delta 8-THC	0.0%		None detected at detection limit of 0.0017 %
THCA	0.0%		None detected at detection limit of 0.0017 %
CBC	0.0%		<0.00250 %
THCVA	0.0%		None detected at detection limit of 0.0004 %
CBNA	0.0%		None detected at detection limit of 0.0004 %
CBCA	0.0%		None detected at detection limit of 0.0017 %
CBL	0.0%		None detected at detection limit of 0.0004 %
Total Cannabinoids	0.0%	>= 5 mg/Serving Size	5.68 mg/Serving Size
Total THC (THC + (THCA x 0.877))	0.0%	<= 0.3 %	Not Detected %

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Analysis	RSD	Specifications	Result
Industrial Hemp Cannabinoid Profile			
Total CBD (CBD + (CBDA x 0.877))	0.0%		0.137 %
Elements by ICP Mass Spectrometry			
Arsenic	2.7%	<= 0.14 ppm	0.0308 ppm
Lead	2.1%	<= 0.29 ppm	0.0581 ppm
Mercury	5.4%	<= 0.29 ppm	<0.00500 ppm
Cadmium	2.2%	<= 0.09 ppm	0.0520 ppm

Analysis	Limit	Result	Pass/Fail
Residual Solvent Analysis in Cannabis and Hemp Matrices			
1,2-Dichloroethane		<1.0 ppm	
2-Propanol		<500 ppm	
Acetone		<200 ppm	
Acetonitrile		<200 ppm	
Benzene		<1.0 ppm	
Chloroform		<1.0 ppm	
Ethanol		<500 ppm	
Ethyl Acetate		<500 ppm	
Ethyl Ether		<500 ppm	
Ethylene Oxide		<25.0 ppm	
Methanol		<500 ppm	
Methylene Chloride		<1.0 ppm	
n-Hexane		<30.0 ppm	
Propane		<1000 ppm	
Toluene		<90.0 ppm	
Trichloroethylene		<1.0 ppm	
Summed Group 1 (Butanes)			
Isobutane (2-Methylpropane)		<500 ppm	
n-Butane		<500 ppm	

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Analysis	Limit	Result	Pass/Fail
Residual Solvent Analysis in Cannabis and Hemp Matrices			
Sum of Butanes		<1000 ppm	
Summed Group 2 (Heptanes)			
2,2,3-Trimethylbutane		<50.0 ppm	
2,2-Dimethylpentane		<50.0 ppm	
2,3-Dimethylpentane		<50.0 ppm	
2,4-Dimethylpentane		<50.0 ppm	
2-Methylhexane		<50.0 ppm	
3,3-Dimethylpentane		<50.0 ppm	
3-Ethylpentane		<50.0 ppm	
3-Methylhexane		<50.0 ppm	
n-Heptane		<50.0 ppm	
Sum of Heptanes		<450 ppm	
Summed Group 3 (Petroleum Ether)			
2,2-Dimethylbutane		<25.0 ppm	
2,3-Dimethylbutane		<25.0 ppm	
2-Methylpentane		<25.0 ppm	
3-Methylpentane		<25.0 ppm	
n-Pentane		<25.0 ppm	
Sum of Petroleum Ether		<125 ppm	
Summed Group 4 (Xylenes)			
Xylenes-1 (Ethylbenzene)		<40.0 ppm	
Xylenes-2 (m- p-Xylene)		<140 ppm	
Xylenes-3 (o-Xylene)		<20.0 ppm	
Sum of Xylenes		<200 ppm	
Multi-Residue Analysis for hemp products - EP 2.8.13/USP <561> regulations			
Acephate	0.1 mg/kg	<0.1 mg/kg	Pass
Alachlor	0.05 mg/kg	<0.05 mg/kg	Pass
Aldrin and dieldrin (sum of)	0.05 mg/kg	<0.05 mg/kg	Pass
Azinphos-ethyl	0.1 mg/kg	<0.1 mg/kg	Pass

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Analysis	Limit	Result	Pass/Fail
Multi-Residue Analysis for hemp products - EP 2.8.13/USP <561> regulations			
Azinphos-methyl	1 mg/kg	<1 mg/kg	Pass
Bromophos-ethyl	0.05 mg/kg	<0.05 mg/kg	Pass
Bromophos-methyl	0.05 mg/kg	<0.05 mg/kg	Pass
Bromopropylate	3 mg/kg	<3 mg/kg	Pass
Chlordane (sum of cis- and trans- isomers and oxychlordane)	0.05 mg/kg	<0.05 mg/kg	Pass
Chlorfenvinphos	0.5 mg/kg	<0.5 mg/kg	Pass
Chlorpyrifos-ethyl	0.2 mg/kg	<0.2 mg/kg	Pass
Chlorpyrifos-methyl	0.1 mg/kg	<0.1 mg/kg	Pass
Chlorthal-dimethyl	0.01 mg/kg	<0.01 mg/kg	Pass
Cyfluthrin (sum of isomers)	0.1 mg/kg	<0.1 mg/kg	Pass
Cyhalothrin, lambda-	1 mg/kg	<1 mg/kg	Pass
Cypermethrin (sum of isomers)	1 mg/kg	<1 mg/kg	Pass
DDT (sum of o,p'-DDT, p,p'-DDT, o,p'-DDE, p,p'-DDE, o,p'-DDD, and p,p'-DDD)	1 mg/kg	<1 mg/kg	Pass
Deltamethrin	0.5 mg/kg	<0.5 mg/kg	Pass
Diazinon	0.5 mg/kg	<0.5 mg/kg	Pass
Dichlofluanid	0.1 mg/kg	<0.1 mg/kg	Pass
Dichlorvos	1 mg/kg	<1 mg/kg	Pass
Dicofol	0.5 mg/kg	<0.5 mg/kg	Pass
Dimethoate and omethoate (sum of)	0.1 mg/kg	<0.1 mg/kg	Pass
Endosulfan (sum of isomers and endosulfan sulfate)	3 mg/kg	<3 mg/kg	Pass
Endrin	0.05 mg/kg	<0.05 mg/kg	Pass
Ethion	2 mg/kg	<2 mg/kg	Pass
Etrimphos	0.05 mg/kg	<0.05 mg/kg	Pass
Fenchlorphos (sum of fenchlorphos and fenchlorphos-oxon)	0.1 mg/kg	<0.1 mg/kg	Pass
Fenitrothion	0.5 mg/kg	<0.5 mg/kg	Pass
Fenpropathrin	0.03 mg/kg	<0.03 mg/kg	Pass

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Multi-Residue Analysis for hemp products - EP 2.8.13/USP <561> regulations			
Fensulfothion (sum of fensulfothion, fensulfothion-oxon, fensulfothion-oxonsulfon and fensulfothion-sulfon)	0.05 mg/kg	<0.05 mg/kg	Pass
Fenthion (sum of fenthion, fenthion-oxon, fenthion-oxon-sulfon, fenthion-oxon-sulfoxid, fenthion-sulfon and fenthion-sulfoxid)	0.05 mg/kg	<0.05 mg/kg	Pass
Fenvalerate	1.5 mg/kg	<1.5 mg/kg	Pass
Flucythrinate	0.05 mg/kg	<0.05 mg/kg	Pass
Fluvalinate, tau-	0.05 mg/kg	<0.05 mg/kg	Pass
Fonofos	0.05 mg/kg	<0.05 mg/kg	Pass
Heptachlor (sum of heptachlor, cis-heptachlorepoxyde and trans-heptachlorepoxyde)	0.05 mg/kg	<0.05 mg/kg	Pass
Hexachlorobenzene	0.1 mg/kg	<0.1 mg/kg	Pass
Hexachlorocyclohexane isomers (other than gamma)	0.3 mg/kg	<0.3 mg/kg	Pass
Lindane (gamma-hexachlorocyclohexane)	0.6 mg/kg	<0.6 mg/kg	Pass
Malathion and malaaxon (sum of)	1 mg/kg	<1 mg/kg	Pass
Mecarbam	0.05 mg/kg	<0.05 mg/kg	Pass
Methacriphos	0.05 mg/kg	<0.05 mg/kg	Pass
Methamidophos	0.05 mg/kg	<0.05 mg/kg	Pass
Methidathion	0.2 mg/kg	<0.2 mg/kg	Pass
Methoxychlor	0.05 mg/kg	<0.05 mg/kg	Pass
Mirex	0.01 mg/kg	<0.01 mg/kg	Pass
Monocrotophos	0.1 mg/kg	<0.1 mg/kg	Pass
Parathion-ethyl and paraoxon-ethyl (sum of)	0.5 mg/kg	<0.5 mg/kg	Pass
Parathion-methyl and paraoxon-methyl (sum of)	0.2 mg/kg	<0.2 mg/kg	Pass
Pendimethalin	0.1 mg/kg	<0.1 mg/kg	Pass
Pentachloranisol	0.01 mg/kg	<0.01 mg/kg	Pass
Permethrin (sum of isomers)	1 mg/kg	<1 mg/kg	Pass
Phosalone	0.1 mg/kg	<0.1 mg/kg	Pass

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Multi-Residue Analysis for hemp products - EP 2.8.13/USP <561> regulations			
Phosmet	0.05 mg/kg	<0.05 mg/kg	Pass
Piperonyl butoxide	3 mg/kg	<3 mg/kg	Pass
Pirimiphos-ethyl	0.05 mg/kg	<0.05 mg/kg	Pass
Pirimiphos-methyl (sum of pirimiphos-methyl and N-desethyl-pirimiphos-methyl)	4 mg/kg	<4 mg/kg	Pass
Procymidone	0.1 mg/kg	<0.1 mg/kg	Pass
Profenophos	0.1 mg/kg	<0.1 mg/kg	Pass
Prothiophos	0.05 mg/kg	<0.05 mg/kg	Pass
Pyrethrum (sum of cinerin I, cinerin II, jasmolin I, jasmolin II, pyrethrin I, and pyrethrin II)	3 mg/kg	<3 mg/kg	Pass
Quinalphos	0.05 mg/kg	<0.05 mg/kg	Pass
Quintozene (sum of quintozene, pentachloraniline and methyl pentachlorophenyl sulfide)	1 mg/kg	<1 mg/kg	Pass
S-421	0.02 mg/kg	<0.02 mg/kg	Pass
Tecnazene	0.05 mg/kg	<0.05 mg/kg	Pass
Tetradifon	0.3 mg/kg	<0.3 mg/kg	Pass
Vinclozolin	0.4 mg/kg	<0.4 mg/kg	Pass

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, Methods 2011.19 and 993.14, and 2015.01, AOAC INTERNATIONAL, (Modified).

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).

Certificate of Analysis

Method References

Testing Location

Multi-Residue Analysis for hemp products - EP 2.8.13/USP <561> regulations (PEST_HEMP)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave 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.

Residual Solvent Analysis in Cannabis and Hemp Matrices (CANN_SOL_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally Developed Method

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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