

# Certificate of Quality Assurance

**PRODUCT NAME:** Full Spectrum K9 Soft Chew  
**PRODUCT STRENGTH:** 2 mg  
**LOT NUMBER:** JOCHEW-T037  
**SUPPLIER BATCH NUMBER:** 2546889  
**DATE OF MANUFACTURE:** 3/4/19  
*Expiration date is 24 months under sealed conditions.*  
**DATE OF ANALYSIS:** 3/4/19  
**ACTIVE INGREDIENTS:** THC-Free Phytocannabinoid Rich Hemp Oil  
**INACTIVE INGREDIENTS:** Refer to page 2.

# JOY<sup>TM</sup>

## ORGANICS

### Physical Attributes\*\*

Attribute	Acceptance Criteria	Result
Appearance	Soft Solid Cylinders	Conforms
Aroma	Characteristic Dog Treat Aroma	Conforms
Color	Dark Brown with Beige Specs	Conforms
Cannabinoid Content	1.8 - 2.2 mg per chew THC Not Detected	Conforms

### Cannabinoid Potency\*\*

Cannabinoid	Weight %
CBD	0.05
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

### Pesticides\*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

### Terpene Results\*

Compound	Weight %	Compound	Weight %
$\beta$ -Bisabolene	1.0-3.0	Camphene	0.1-0.2
$\beta$ -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
$\beta$ -Maaliene	0.5-2.0	$\alpha$ -Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
$\beta$ -Caryophyllene	0.1-1.0	Linalool	< 0.1
$\alpha$ -Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
$\alpha$ -Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
$\alpha$ -Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	$\gamma$ -Terpinene	< 0.1
Eucalyptol	0.1-0.2	$\delta$ -3-Carene	< 0.1

### Residual Solvents\*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

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**JOY**<sup>TM</sup>  
**ORGANICS**

**INACTIVE INGREDIENTS:** Water, dried brewer's yeast, glycerin, gum arabic, sodium alginate, beef liver powder, natural bacon flavor, flaxseed oil, microcrystalline cellulose, organic sweet potato powder, sunflower lecithin (non-GMO), citrus pectin, dextrin, vitamin E, sodium propionate, calcium sulfate dihydrate, natural mixed tocopherols (natural preservative)

## Heavy Metals\*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

\* Results based on testing of multiple batches of hemp oil raw material.

\*\* As obtained from supplier COA.

Certified by:



Matthew Plenert, Ph.D  
Head Chemist and Quality Manager

5-3-19

Date



This report cannot be used for ODA, OHA or OLCC compliance requirements.

This is an amended version of the report# 067621-00.  
Reason: Potency, Pesticides, and Micro testing included in report.

**Product identity:** JOCHEW-T037 **Client/Metric ID:** .  
**Laboratory ID:** 19-004096-0005 **Sample Date:** 03/13/19

**Summary**

**Potency:**

Analyte per 7.37g	Result	Limits	Units	LOQ	
CBD per 7.37g	3.64		mg/7.37g	0.246	CBD-Total per 7.37g 3.64 mg/7.37g
					THC-Total per 7.37g < 0.461 mg/7.37
					(Reported in milligrams per serving)

**Pesticides:**

All analytes passing and less than LOQ.

**Microbiology:**

Less than LOQ for all analytes.



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**Customer:** My CBD Test  
**Product identity:** JOCHEW-T037  
**Client/Metric ID:** .  
**Sample Date:** 03/13/19  
**Laboratory ID:** 19-004096-0005  
**Serving Size #1:** 7.37 g  
**Weight Received:** 7.37 g

### Sample Results

Potency per 7.37g		Batch: 1903300					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
CBC-A per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
CBC-Total per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.461	04/17/19	J AOAC 2015 V98-6	
CBD per 7.37g	3.64		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
CBD-A per 7.37g	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
CBD-Total per 7.37g	3.64		mg/7.37g	0.461	04/17/19	J AOAC 2015 V98-6	
CBDV per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
CBDV-A per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
CBDV-Total per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.459	04/17/19	J AOAC 2015 V98-6	
CBG per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
CBG-A per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
CBG-Total per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.461	04/17/19	J AOAC 2015 V98-6	
CBL per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
CBN per 7.37g	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
Δ8-THC per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
Δ9-THC per 7.37g	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
THC-A per 7.37g	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
THC-Total per 7.37g	< LOQ		mg/7.37g	0.461	04/17/19	J AOAC 2015 V98-6	
THCV per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
THCV-A per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.246	04/17/19	J AOAC 2015 V98-6	
THCV-Total per 7.37g <sup>†</sup>	< LOQ		mg/7.37g	0.459	04/17/19	J AOAC 2015 V98-6	

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1903111	04/14/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1903111	04/14/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1903110	04/16/19	AOAC 997.02 (Petrifilm)	X
Yeast	< LOQ		cfu/g	10	1903110	04/16/19	AOAC 997.02 (Petrifilm)	X

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Pesticides					Method AOAC 2007.01 & EN 15662 (mod)					Units mg/kg		Batch 1903195		Analyze 04/16/19 10:44 AM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass								
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass								
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass								
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass								
Boscalid	< LOQ	0.40	0.100	pass		Carbaryl	< LOQ	0.20	0.100	pass								
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass								
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass								
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin (incl.	< LOQ	1.0	0.500	pass								
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass								
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass								
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass								
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass								
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass								
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass								
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass								
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass								
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass								
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass								
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass								
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass								
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass								
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass								
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass								
Prallethrin	< LOQ	0.20	0.100	pass		Propiconazole	< LOQ	0.40	0.200	pass								
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass								
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass								
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass								
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass								
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass								
Trifloxystrobin	< LOQ	0.20	0.100	pass														



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**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

**Units of Measure**

cfu/g = Colony forming units per gram

g = Gram

mg/kg = Milligram per kilogram

mg/7.37g = Milligram per 7.37g

% = Percentage of sample

% wt = µg/g divided by 10,000

**Glossary of Qualifiers**

X: Not ORELAP accredited.

Approved Signatory

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Derrick Tanner  
General Manager

# PHYTATECH™

## M E T R I C S & S O L U T I O N S

879 Federal Blvd.  
Denver, CO 80204  
303-427-2379  
DOR#: 405R-00011 & 405-00008  
info@phytatech.com

Date Received: 04.26.2019  
Date Lab Test: 04.27.2019  
Date Reported: 04.29.2019

Company Name: Triple C Ranch Ltd  
Company License: 403H-75142  
Sample Type: Edibles

\*ND: None Detected or below reportable threshold  
All data in the following table is in parts per million (ppm).

Sample	Sample	METRC #	Arsenic	Lead	Cadmium	Mercury
WSP:LOTDR031919 WSP4	303694	01309	ND	ND	ND	ND
JOCHEW T026	303695	01310	ND	ND	ND	ND
JOCHEW T037	303696	01311	ND	ND	ND	ND

NOTES: The State of Colorado mandates the following levels for heavy metals in inhaled or audited products (nasal or MDI): Lead (< 0.5 ppm), Arsenic (< 0.2 ppm), Cadmium (< 0.2 ppm), and Mercury (< 0.1 ppm).

The State of Colorado mandates the following levels for heavy metals in topical or transdermal products: Lead (< 10 ppm), Arsenic (< 3 ppm), Cadmium (< 3 ppm), and Mercury (< 1 ppm).

The State of Colorado mandates the following levels for heavy metals in oral or audited products (rectal or vaginal) products: Lead (< 1 ppm), Arsenic (< 1.5 ppm), Cadmium (< 0.5 ppm), and Mercury (< 1.5 ppm).

This testing is for R&D purposes only.