

Certificate of Quality Assurance

PRODUCT NAME: Full Spectrum K9 Soft Chew
PRODUCT STRENGTH: 2 mg
LOT NUMBER: JOCHEW-T006
SUPPLIER BATCH NUMBER: 2519952
DATE OF MANUFACTURE: 1/10/19
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 1/10/19
ACTIVE INGREDIENTS: THC-Free Phytocannabinoid Rich Hemp Oil
INACTIVE INGREDIENTS: Refer to page 2.



MD 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 %
β -Bisabolene	1.0-3.0	Camphene	0.1-0.2
β -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β -Maaliene	0.5-2.0	α -Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β -Caryophyllene	0.1-1.0	Linalool	< 0.1
α -Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α -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
α -Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ -Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ -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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ACTIVE INGREDIENTS: THC-Free Phytocannabinoid Rich Hemp Oil

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


Date



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

Product identity: Dog Chew JOCHEW-T006
Laboratory ID: 19-002261-0002

Client/Metric ID: .
Sample Date:

Summary

Potency:

Analyte per 136g	Result	Limits	Units	LOQ	
CBD per 136g	64.1		mg/136g	4.53	CBD-Total per 136g 64.1 mg/136g
					THC-Total per 136g < 8.514 mg/136g
					(Reported in milligrams per serving)

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: My CBD Test

Product identity: Dog Chew JOCHEW-T006

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-002261-0002

Relinquished by: Received By Mail

Temp: 12.2 °C

Serving Size #1: 136g (4.8oz)

Sample Results

Potency per 136g		Batch: 1901932						
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes	
CBC per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
CBC-A per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
CBC-Total per 136g [†]	< LOQ		mg/136g	8.51	03/08/19	J AOAC 2015 V98-6		
CBD per 136g	64.1		mg/136g	4.53	03/11/19	J AOAC 2015 V98-6		
CBD-A per 136g	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
CBD-Total per 136g	64.1		mg/136g	8.51	03/11/19	J AOAC 2015 V98-6		
CBDV per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
CBDV-A per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
CBDV-Total per 136g [†]	< LOQ		mg/136g	8.46	03/08/19	J AOAC 2015 V98-6		
CBG per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
CBG-A per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
CBG-Total per 136g [†]	< LOQ		mg/136g	8.51	03/08/19	J AOAC 2015 V98-6		
CBL per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
CBN per 136g	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
Δ8-THC per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
Δ9-THC per 136g	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
THC-A per 136g	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
THC-Total per 136g	< LOQ		mg/136g	8.51	03/08/19	J AOAC 2015 V98-6		
THCV per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
THCV-A per 136g [†]	< LOQ		mg/136g	4.53	03/08/19	J AOAC 2015 V98-6		
THCV-Total per 136g [†]	< LOQ		mg/136g	8.46	03/08/19	J AOAC 2015 V98-6		

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Mold	< LOQ		cfu/ml	10	1901854	03/07/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/ml	10	1901854	03/07/19	AOAC 2014.05 (RAPID)	X
Salmonella spp.	Negative		/25g		1901845	03/07/19	AOAC RI 050701	X



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1901924 Analyze 03/07/19 09:49 AM											
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		Etoxazol	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximat	< 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	
Spiroxamin	< LOQ	0.40	0.200	pass		Tebuconazol	< 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							

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.00987	1901954	03/07/19	AOAC 2013.06 (mod)	X
Cadmium	< LOQ		mg/kg	0.00987	1901954	03/07/19	AOAC 2013.06 (mod)	X
Lead	< LOQ		mg/kg	0.00987	1901954	03/07/19	AOAC 2013.06 (mod)	X
Mercury	< LOQ		mg/kg	0.00493	1901954	03/07/19	AOAC 2013.06 (mod)	X



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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.

Units of Measure

cfu/ml = Colony forming units per milliliter

g = Gram

mg/kg = Milligram per kilogram

mg/136g = Milligram per 136g

/25g = Per 25 grams

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager