

# Koi Naturals - Spearmint 500 mg CBD

Sample ID: 1811CSALA1336.4504  
Strain: Spearmint 500 mg CBD  
Matrix: Ingestible  
Type: Tincture  
Sample Size: 1 units; Batch: 0 units

Produced: N/A  
Collected: 11/02/2018  
Received: 11/02/2018  
Completed: 11/13/2018  
Batch#: 8288NSP500

Client  
**Koi CBD**  
Lic. #  
14631 Best Ave  
Norwalk, CA 90650



## Summary

Pass

<b>525.7514 mg/unit</b> Total Cannabinoids	<b>Pass</b> Pesticides	<b>Pass</b> Residual Solvents
<b>Pass</b> Microbials	<b>Not Tested</b> Mycotoxins	<b>Not Tested</b> Heavy Metals

## Cannabinoids

Complete

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/unit	mg/g
THCa	0.0116	0.0290	ND	ND
Δ9-THC	0.0087	0.0290	ND	ND
Δ8-THC	0.0145	0.0581	ND	ND
THCV	0.0174	0.0581	ND	ND
CBDa	0.0116	0.0290	ND	ND
CBD	0.0087	0.0290	503.1072	17.3300
CBDV	0.0203	0.0581	15.6767	0.5400
CBN	0.0058	0.0290	ND	ND
CBGa	0.0174	0.0581	ND	ND
CBG	0.0174	0.0581	6.9674	0.2400
CBC	0.0058	0.0290	ND	ND
<b>Total</b>			<b>525.7514</b>	<b>18.1100</b>

**ND**  
Total THC

**503.1072 mg/unit**  
Total CBD

1 Unit = , 29.031g; 1 servings per container; 0.0 mg/unit THC per container

## Terpenes

Testing method: HSGCMS-SOP 201

Analyte	LOD	LOQ	Mass	Mass
	%	%	mg/g	mg/g
δ-Limonene	0.000	0.001	0.165	1.65
β-Pinene	0.000	0.001	0.027	0.27
β-Myrcene	0.000	0.000	0.027	0.27
Eucalyptol	0.000	0.001	0.017	0.17
α-Pinene	0.000	0.000	0.010	0.10
β-Caryophyllene	0.002	0.006	0.007	0.07
Linalool	0.000	0.001	0.003	0.03
γ-Terpinene	0.000	0.000	0.003	0.03
α-Terpinene	0.000	0.000	0.003	0.03
Geraniol	0.000	0.000	0.002	0.02
Guaiol	0.000	0.001	0.002	0.02
Ocimene	0.000	0.000	0.002	0.02
Terpinolene	0.000	0.001	0.001	0.01
Isopulegol	0.000	0.000	0.001	0.01
α-Bisabolol	0.000	0.000	ND	ND
α-Humulene	0.001	0.002	<LOQ	<LOQ
Camphene	0.001	0.002	<LOD	<LOD
Caryophyllene Oxide	0.000	0.001	ND	ND
cis-Nerolidol	0.000	0.000	ND	ND
δ-3-Carene	0.000	0.001	<LOQ	<LOQ
p-Cymene	0.000	0.000	ND	ND
trans-Nerolidol	0.001	0.002	<LOQ	<LOQ
<b>Total</b>			<b>0.271</b>	<b>2.71</b>

**NT**  
Moisture  
SOP-103

**NT**  
Water Activity  
SOP-102

**Pass**  
Foreign Matter  
SOP-001

Date Tested: 11/06/2018

Total THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.  
The reported result is based on a sample weight with the applicable moisture content for that sample;



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Inibong Afia  
Executive Lab Director  
11/13/2018

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## Pesticides

Test Method: LCMS & GCMS-SOP 301

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	PPM			PPM	PPM	PPM	PPM	
Abamectin	0.005	0.100	0.300	ND	Pass	Fludioxonil	0.001	0.100	30.000	ND	Pass
Acephate	0.000	0.100	5.000	ND	Pass	Hexythiazox	0.000	0.100	2.000	ND	Pass
Acequinocyl	0.000	0.100	4.000	ND	Pass	Imazalil	0.100	0.100	0.100	ND	Pass
Acetamiprid	0.000	0.100	5.000	ND	Pass	Imidacloprid	0.001	0.100	3.000	ND	Pass
Aldicarb	0.100	0.100	0.100	ND	Pass	Kresoxim Methyl	0.003	0.100	1.000	ND	Pass
Azoxystrobin	0.000	0.100	40.000	ND	Pass	Malathion	0.001	0.100	5.000	ND	Pass
Bifenazate	0.000	0.100	5.000	ND	Pass	Metalaxyl	0.001	0.100	15.000	ND	Pass
Bifenthrin	0.000	0.100	0.500	ND	Pass	Methiocarb	0.100	0.100	0.100	ND	Pass
Boscalid	0.001	0.100	10.000	ND	Pass	Methomyl	0.001	0.100	0.100	ND	Pass
Captan	0.001	0.100	5.000	ND	Pass	Methyl Parathion	0.100	0.100	0.100	ND	Pass
Carbaryl	0.001	0.100	0.500	ND	Pass	Mevinphos	0.100	0.100	0.100	ND	Pass
Carbofuran	0.100	0.100	0.100	ND	Pass	Myclobutanil	0.004	0.100	9.000	ND	Pass
Chlorantraniliprole	0.001	0.100	40.000	ND	Pass	Naled	0.004	0.100	0.500	ND	Pass
Chlordane	0.100	0.100	0.100	ND	Pass	Oxamyl	0.000	0.100	0.200	ND	Pass
Chlorfenapyr	0.100	0.100	0.100	ND	Pass	Pacllobutrazol	0.100	0.100	0.100	ND	Pass
Chlorpyrifos	0.100	0.100	0.100	ND	Pass	Pentachloronitrobenzene	0.000	0.100	0.200	ND	Pass
Clofentezine	0.001	0.100	0.500	ND	Pass	Permethrin	0.001	0.100	20.000	ND	Pass
Coumaphos	0.100	0.100	0.100	ND	Pass	Phosmet	0.000	0.100	0.200	ND	Pass
Cyfluthrin	0.001	0.100	1.000	ND	Pass	Piperonyl Butoxide	0.001	0.100	3.000	ND	Pass
Cypermethrin	0.000	0.100	1.000	ND	Pass	Prallethrin	0.000	0.100	0.400	ND	Pass
Daminozide	0.100	0.100	0.100	ND	Pass	Propiconazole	0.000	0.100	20.000	ND	Pass
DDVP	0.100	0.100	0.100	ND	Pass	Propoxur	0.100	0.100	0.100	ND	Pass
Diazinon	0.001	0.100	0.200	ND	Pass	Pyrethrins	0.000	0.100	1.000	ND	Pass
Dimethoate	0.100	0.100	0.100	ND	Pass	Pyridaben	0.001	0.100	3.000	ND	Pass
Dimethomorph	0.001	0.100	20.000	ND	Pass	Spinetoram	0.001	0.100	3.000	ND	Pass
Ethoprophos	0.100	0.100	0.100	ND	Pass	Spinosad	0.000	0.100	3.000	ND	Pass
Etofenprox	0.100	0.100	0.100	ND	Pass	Spiromesifen	0.001	0.100	12.000	ND	Pass
Etoazole	0.010	0.100	1.500	ND	Pass	Spirotetramat	0.000	0.100	13.000	ND	Pass
Fenhexamid	0.001	0.100	10.000	ND	Pass	Spiroxamine	0.100	0.100	0.100	ND	Pass
Fenoxycarb	0.100	0.100	0.100	ND	Pass	Tebuconazole	0.002	0.100	2.000	ND	Pass
Fenpyroximate	0.001	0.100	2.000	ND	Pass	Thiacloprid	0.100	0.100	0.100	ND	Pass
Fipronil	0.100	0.100	0.100	ND	Pass	Thiamethoxam	0.000	0.100	4.500	ND	Pass
Fonicamid	0.001	0.100	2.000	ND	Pass	Trifloxystrobin	0.001	0.100	30.000	ND	Pass

Date Tested: 11/09/2018

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## Microbials

	Analyte	Presence	Status
Pass Test Method: PCR-SOP 401	Aspergillus flavus	Not Detected	Pass
	Aspergillus fumigatus	Not Detected	Pass
	Aspergillus niger	Not Detected	Pass
	Aspergillus terreus	Not Detected	Pass
	Shiga toxin-producing E. Coli	Not Detected	Pass
	Salmonella	Not Detected	Pass

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## Solvents

	Analyte	LOD	LOQ	Limit	Units	Status
		PPM	PPM	PPM	PPM	
Pass Test Method: HSGCMS-SOP 202	1,2-Dichloro-Ethane	0.100	30.000	0.100	ND	Pass
	Acetone	3.800	250.000	500.000	ND	Pass
	Acetonitrile	0.500	1.000	410.000	ND	Pass
	Benzene	0.000	12.000	0.000	ND	Pass
	Butane	0.800	2500.000	5000.000	ND	Pass
	Chloroform	0.100	360.000	0.100	ND	Pass
	Ethanol	3.800	2500.000	5000.000	ND	Pass
	Ethyl-Acetate	3.800	2500.000	5000.000	ND	Pass
	Ethyl-Ether	3.400	2500.000	5000.000	ND	Pass
	Ethylene Oxide	0.200	300.000	0.200	ND	Pass
	Heptane	4.500	2500.000	5000.000	ND	Pass
	Isopropanol	4.600	100.000	5000.000	<LOQ	Pass
	Methanol	5.300	200.000	3000.000	ND	Pass
	Methylene-Chloride	0.900	2500.000	0.900	ND	Pass
	n-Hexane	0.400	70.000	290.000	ND	Pass
	Pentane	3.900	2500.000	5000.000	ND	Pass
	Propane	0.300	2500.000	5000.000	ND	Pass
	Toluene	1.700	30.000	890.000	ND	Pass
	Trichloroethene	0.100	480.000	0.100	ND	Pass
	Xylenes	2.400	10.000	2170.000	ND	Pass

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