

# Koi Naturals Spearmint 1000mg

Overall Status: Pass

Sample ID: 2011NIVA0398.1130  
Strain: Spearmint 1000mg  
Matrix: Ingestible  
Type: Tincture  
Sample Size: ; Batch Size:

Produced:  
Collected:  
Received: 11/11/2020  
Completed: 11/16/2020  
Batch#: 1609BB1122

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

	<b>Pass</b> Foreign Matter <small>SOPTS.4.001</small>	<b>Pass</b> Heavy Metals <small>SOPTS.4.500 ICP-MS</small>	<b>Not Tested</b> Moisture <small>SOPTS.4.001</small>	<b>Pass</b> Pesticides <small>SOPTS.4.301 GC-MS/MS SOPTS.4.300 LC-MS/MS</small>
	<b>Pass</b> Microbials <small>SOPTS.4.600 PathogenDx</small>	<b>Pass</b> Solvents <small>SOPTS.4.400 GC-MS</small>	<b>Pass</b> 0.20 aw Water Activity <small>SOPTS.4.003</small>	<b>Pass</b> Mycotoxins <small>SOPTS.4.300 LC-MS/MS</small>

## Cannabinoids (SOPTS.4.100 HPLC Analysis)

<b>ND</b> ND Total THC	<b>3.545%</b> 36.866 mg/mL Total CBD	<b>4.025%</b> 41.856 mg/mL Total Cannabinoids	<b>NT</b> Moisture
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Analyte	LOD mg/g	LOQ mg/g	Mass mg/mL	Mass %	Mass mg/serving	Mass mg/package
CBD	0.0030	0.0100	36.866	3.54	36.86	1105.87
CBG	0.0030	0.0100	2.625	0.25	2.63	78.74
CBC	0.0030	0.0100	1.216	0.12	1.22	36.47
CBN	0.0030	0.0100	0.917	0.09	0.92	27.52
CBDV	0.0030	0.0100	0.232	0.02	0.23	6.96
CBDa	0.0030	0.0100	ND	ND	ND	ND
CBGa	0.0030	0.0100	ND	ND	ND	ND
THCa	0.0030	0.0100	ND	ND	ND	ND
THCV	0.0030	0.0100	ND	ND	ND	ND
Δ8-THC	0.0030	0.0100	ND	ND	ND	ND
Δ9-THC	0.0030	0.0100	ND	ND	ND	ND
<b>Total THC</b>			<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>
<b>Total CBD</b>			<b>36.866</b>	<b>3.5448</b>	<b>36.862</b>	<b>1105.871</b>
<b>Total</b>				<b>4.0246</b>	<b>41.852</b>	<b>1255.554</b>

Density: 1.040g per 1 mL

Cannabinoids Date Tested: 11/12/2020

Total THC = (THCa x 0.877) + Δ9-THC; Total CBD = (CBDa x 0.877) + CBD; LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Cured plant material reported as moisture-corrected % dry weight, other sample types reported "as is." Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 1260 HPLC.

Water Activity Analytical Instrumentation: Rotronic HCW HC2-AW-USB Water Activity Meter. Water Activity Analysis Date: 11/11/2020

Foreign Material Analytical Instrumentation: Illuminated Magnifying Lens. Foreign Material Analysis Date: 11/11/2020



Accreditation #101219  
ISO/IEC 17025:2017

*Kris Marsh*  
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Lab Director  
11/16/2020

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Type: Tincture	Completed: 11/16/2020	14631 Best Ave
Sample Size: ; Batch Size:	Batch#: 1609BB1122	Norwalk, CA 90650

## Microbials

Pass

Analyte	Result	Status
Aspergillus flavus	Not Detected in 1g	Pass
Aspergillus fumigatus	Not Detected in 1g	Pass
Aspergillus niger	Not Detected in 1g	Pass
Aspergillus terreus	Not Detected in 1g	Pass
Shiga toxin-producing E. Coli	Not Detected in 1g	Pass
Salmonella SPP	Not Detected in 1g	Pass

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## Mycotoxins

Pass

Analyte	LOD µg/kg	LOQ µg/kg	Limit µg/kg	Units µg/kg	Status
B1	4.00	5.00		ND	Tested
B2	4.00	5.00		ND	Tested
G1	4.00	5.00		ND	Tested
G2	4.00	5.00		ND	Tested
Total Aflatoxins			20.00	ND	Pass
Ochratoxin A	16	20	20.00	ND	Pass

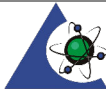
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## Heavy Metals

Pass

Analyte	LOD µg/g	LOQ µg/g	Limit µg/g	Units µg/g	Status
Arsenic	0.009	0.090	1.500	ND	Pass
Cadmium	0.009	0.090	0.500	ND	Pass
Lead	0.009	0.090	0.500	<LOQ	Pass
Mercury	0.005	0.020	3.000	<LOQ	Pass

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Sample Size: ; Batch Size:	Batch#: 1609BB1122	Norwalk, CA 90650

## Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.040	0.050	0.30	ND	Pass	Fludioxonil	0.040	0.050	30.00	ND	Pass
Acephate	0.050	0.100	5.00	ND	Pass	Hexythiazox	0.010	0.020	2.00	ND	Pass
Acequinocyl	0.040	0.050	4.00	ND	Pass	Imazalil	0.040	0.050	0.04	ND	Pass
Acetamiprid	0.010	0.020	5.00	ND	Pass	Imidacloprid	0.010	0.020	3.00	ND	Pass
Aldicarb	0.010	0.020	0.01	ND	Pass	Kresoxim Methyl	0.020	0.050	1.00	ND	Pass
Azoxystrobin	0.010	0.020	40.00	ND	Pass	Malathion	0.010	0.020	5.00	ND	Pass
Bifenazate	0.010	0.020	5.00	ND	Pass	Metalaxyl	0.010	0.020	15.00	ND	Pass
Bifenthrin	0.010	0.020	0.50	ND	Pass	Methiocarb	0.010	0.020	0.01	ND	Pass
Boscalid	0.040	0.050	10.00	ND	Pass	Methomyl	0.010	0.020	0.10	ND	Pass
Captan	0.100	0.100	5.00	ND	Pass	Mevinphos	0.018	0.045	0.02	ND	Pass
Carbaryl	0.020	0.050	0.50	ND	Pass	Myclobutanil	0.040	0.050	9.00	ND	Pass
Carbofuran	0.010	0.020	0.01	ND	Pass	Naled	0.040	0.050	0.50	ND	Pass
Chlorantraniliprole	0.040	0.050	40.00	ND	Pass	Oxamyl	0.010	0.020	0.20	ND	Pass
Chlordane	0.030	0.050	0.03	ND	Pass	Paclobutrazol	0.040	0.050	0.04	ND	Pass
Chlorfenapyr	0.030	0.050	0.03	ND	Pass	Parathion Methyl	0.030	0.050	0.03	ND	Pass
Chlorpyrifos	0.020	0.050	0.02	ND	Pass	Pentachloronitrobenzene	0.030	0.050	0.20	ND	Pass
Clofentezine	0.010	0.020	0.50	ND	Pass	Permethrin	0.020	0.050	20.00	ND	Pass
Coumaphos	0.050	0.100	0.05	ND	Pass	Phosmet	0.010	0.020	0.20	ND	Pass
Cyfluthrin	0.050	0.100	1.00	ND	Pass	Piperonyl Butoxide	0.010	0.020	8.00	ND	Pass
Cypermethrin	0.050	0.100	1.00	ND	Pass	Prallethrin	0.040	0.050	0.40	ND	Pass
Daminozide	0.040	0.050	0.04	ND	Pass	Propiconazole	0.040	0.050	20.00	ND	Pass
Diazinon	0.010	0.020	0.20	ND	Pass	Propoxur	0.010	0.020	0.01	ND	Pass
Dichlorvos	0.050	0.100	0.05	ND	Pass	Pyrethrins	0.042	0.084	1.00	ND	Pass
Dimethoate	0.010	0.020	0.01	ND	Pass	Pyridaben	0.030	0.050	3.00	ND	Pass
Dimethomorph	0.020	0.050	20.00	ND	Pass	Spinetoram	0.041	0.061	3.00	ND	Pass
Ethoprophos	0.010	0.020	0.01	ND	Pass	Spinosad	0.019	0.048	3.00	ND	Pass
Etofenprox	0.010	0.020	0.01	ND	Pass	Spiromesifen	0.010	0.020	12.00	ND	Pass
Etoxazole	0.010	0.020	1.50	ND	Pass	Spirotetramat	0.020	0.050	13.00	ND	Pass
Fenhexamid	0.040	0.050	10.00	ND	Pass	Spiroxamine	0.010	0.020	0.01	ND	Pass
Fenoxycarb	0.010	0.020	0.01	ND	Pass	Tebuconazole	0.050	0.100	2.00	ND	Pass
Fenpyroximate	0.010	0.020	2.00	ND	Pass	Thiacloprid	0.010	0.020	0.01	ND	Pass
Fipronil	0.040	0.050	0.04	ND	Pass	Thiamethoxam	0.010	0.020	4.50	ND	Pass
Fonicamid	0.010	0.020	2.00	ND	Pass	Trifloxystrobin	0.010	0.020	30.00	ND	Pass

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Lab Director  
11/16/2020

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Sample Size: ; Batch Size:	Batch#: 1609BB1122	Norwalk, CA 90650

## Residual Solvents

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloroethane	0.25	0.50	1.000	ND	Pass
Acetone	5.0	10	5000.000	ND	Pass
Acetonitrile	5.0	10	410.000	ND	Pass
Benzene	0.25	0.50	1.000	ND	Pass
Butane	5.0	10	5000.000	ND	Pass
Chloroform	0.25	0.50	1.000	ND	Pass
Ethanol	5.0	10	5000.000	ND	Pass
Ethyl-Acetate	5.0	10	5000.000	ND	Pass
Ethyl-Ether	5.0	10	5000.000	ND	Pass
Ethylene Oxide	0.50	1.0	1.000	ND	Pass
Heptane	5.0	10	5000.000	10.483	Pass
Isopropanol	5.0	10	5000.000	ND	Pass
Methanol	5.0	10	3000.000	ND	Pass
Methylene Chloride	0.25	0.50	1.000	ND	Pass
n-Hexane	5.0	10	290.000	ND	Pass
Pentane	5.0	10	5000.000	ND	Pass
Propane	5.0	10	5000.000	ND	Pass
Toluene	5.0	10	890.000	ND	Pass
Trichloroethene	0.25	0.50	1.000	ND	Pass
Xylenes	5.0	10	2170.000	ND	Pass

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Collected:

**Koi CBD**

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Received: 11/11/2020

Lic. #

Type: Tincture

Completed: 11/16/2020

14631 Best Ave

Sample Size: ; Batch Size:

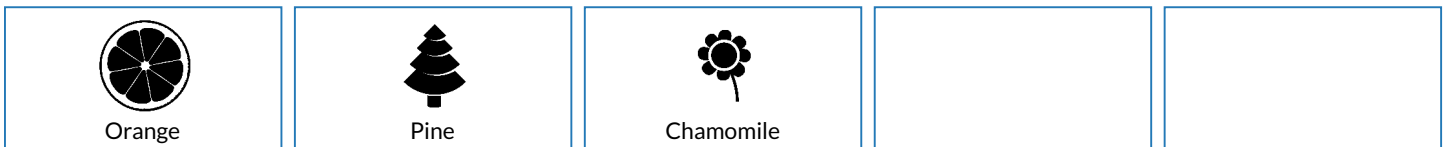
Batch#: 1609BB1122

Norwalk, CA 90650

## Terpenes

Analyte	LOD	LOQ	Mass	Mass
	mg/g	mg/g	mg/g	%
δ-Limonene	0.03	0.10	2.45	0.245
β-Pinene	0.03	0.10	0.17	0.017
α-Pinene	0.03	0.10	0.16	0.016
α-Bisabolol	0.03	0.10	0.14	0.014
α-Humulene	0.03	0.10	ND	ND
α-Terpinene	0.03	0.10	ND	ND
β-Caryophyllene	0.03	0.10	<LOQ	<LOQ
β-Myrcene	0.03	0.10	ND	ND
Camphene	0.03	0.10	ND	ND
Caryophyllene Oxide	0.03	0.10	ND	ND
cis-Nerolidol	0.03	0.10	ND	ND
δ-3-Carene	0.03	0.10	ND	ND
Eucalyptol	0.03	0.10	<LOQ	<LOQ
γ-Terpinene	0.03	0.10	ND	ND
Guaiol	0.03	0.10	ND	ND
Isopulegol	0.03	0.10	ND	ND
Linalool	0.03	0.10	ND	ND
Ocimene	0.03	0.10	ND	ND
p-Cymene	0.03	0.10	<LOQ	<LOQ
Terpinolene	0.03	0.10	ND	ND
trans-Nerolidol	0.03	0.10	ND	ND
<b>Total</b>			<b>2.92</b>	<b>0.292</b>

## Primary Aromas



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This terpenes method has not yet been evaluated for ISO/IEC 17025 accreditation.



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