1 of 5

### Koi CBD Orange 1000mg

Sample ID: 2107NIVA1152.3771 Strain: Koi CBD Orange 1000mg Matrix: Ingestible Type: Tincture

Sample Size: ; Batch Size:

Collected: 07/12/2021 Received: 07/12/2021 Completed: 07/15/2021 Batch#: 2003BB0723

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



**Pass** Foreign Matter

**Pass** Microbials

**Pass Heavy Metals** 

**Pass** Solvents **Not Tested** Moisture

> **Pass** 0.48 aw

Water Activity

**Pass** 

Overall Status: Pass

**Pesticides** 

**Pass** 

Mycotoxins

Cannabinoids (SOP.TS.4.100 HPLC Analysis)

ND ND **Total THC**  35.253 mg/serving 35.253 mg/mL **Total CBD** 

39.213 mg/serving 39.213 mg/mL **Total Cannabinoids** 

Moisture

NT

Analyte	LOD	LOQ	Mass	Mass	Mass	Mass	
	mg/g	mg/g	mg/mL	%	mg/serving	mg/package	
CBD	0.0030	0.0100	35.253	3.75	35.25	1057.59	
CBC	0.0030	0.0100	1.465	0.16	1.47	43.96	
CBN	0.0030	0.0100	1.125	0.12	1.13	33.76	
CBG	0.0030	0.0100	1.012	0.11	1.01	30.37	
CBDV	0.0030	0.0100	0.357	0.04	0.36	10.72	
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	
Total THC			<loq< th=""><th><loq< th=""><th><loq< th=""><th><loq< th=""><th></th></loq<></th></loq<></th></loq<></th></loq<>	<loq< th=""><th><loq< th=""><th><loq< th=""><th></th></loq<></th></loq<></th></loq<>	<loq< th=""><th><loq< th=""><th></th></loq<></th></loq<>	<loq< th=""><th></th></loq<>	
Total CBD			35.253	3.750	35.253	1057.585	
Total			39.213	4.1716	39.213	1176.391	

Density: 0.940g per 1 mL

Cannabinoids Date Tested: 07/14/2021Total THC = (THCa x 0.877) +  $\Delta$ 9-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 Date Tested: 07/13/2021
- : Moisture Date Tested:

Foreign Material Analytical Instrumentation: Illuminated Magnifying Lens. Foreign Material Analysis Date:; Foreign Matter Date Tested: 07/13/2021









Noah Kaplan

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Overall Status: Pass

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### Koi CBD Orange 1000mg

Sample ID: 2107NIVA1152.3771 Strain: Koi CBD Orange 1000mg Matrix: Ingestible

Type: Tincture Sample Size: ; Batch Size: Collected: 07/12/2021 Received: 07/12/2021 Completed: 07/15/2021 Batch#: 2003BB0723

Client Koi CBD Lic.#

> 14631 Best Ave Norwalk, CA 90650

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

Date Tested: 07/14/2021

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: PathogenDx (PCR)

Mycotoxins **Pass** 

Analyte	LOD	LOQ	Limit	Units	Status
	μg/kg	μg/kg	μg/kg	μg/kg	
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	ND	Pass
Ochratoxin A	16	20	20	ND	Pass

Date Tested: 07/13/2021 LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested;

Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 6470A LC-MS

Heavy Metals **Pass** 

Analyte	LOD	LOQ	Limit	Units	Status
	μg/g	μg/g	µg/g	μg/g	
Arsenic	0.009	0.090	1.5	ND	Pass
Cadmium	0.009	0.090	0.5	ND	Pass
Lead	0.009	0.090	0.5	ND	Pass
Mercury	0.005	0.020	3	ND	Pass

Date Tested: 07/13/2021

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested;

Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 7900 ICP-MS







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**Overall Status: Pass** 

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## Koi CBD Orange 1000mg

Sample ID: 2107NIVA1152.3771 Strain: Koi CBD Orange 1000mg Matrix: Ingestible

Type: Tincture Sample Size: ; Batch Size: Collected: 07/12/2021 Received: 07/12/2021 Completed: 07/15/2021 Batch#: 2003BB0723

Client Koi CBD Lic.#

14631 Best Ave 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	0.3	ND	Pass	Fludioxonil	0.040	0.050	30	ND	Pass
Acephate	0.050	0.100	5	ND	Pass	Hexythiazox	0.010	0.020	2	ND	Pass
Acequinocyl	0.040	0.050	4	ND	Pass	lmazalil	0.040	0.050	0.04	ND	Pass
Acetamiprid	0.010	0.020	5	ND	Pass	Imidacloprid	0.010	0.020	3	ND	Pass
Aldicarb	0.010	0.020	0.01	ND	Pass	Kresoxim Methyl	0.020	0.050	1	ND	Pass
Azoxystrobin	0.010	0.020	40	ND	Pass	Malathion	0.010	0.020	5	ND	Pass
Bifenazate	0.010	0.020	5	ND	Pass	Metalaxyl	0.010	0.020	15	ND	Pass
Bifenthrin	0.010	0.020	0.5	ND	Pass	Methiocarb	0.010	0.020	0.01	ND	Pass
Boscalid	0.040	0.050	10	ND	Pass	Methomyl	0.010	0.020	0.1	ND	Pass
Captan	0.100	0.100	5	ND	Pass	Mevinphos	0.018	0.045	0.018	ND	Pass
Carbaryl	0.020	0.050	0.5	ND	Pass	Myclobutanil	0.040	0.050	9	ND	Pass
Carbofuran	0.010	0.020	0.01	ND	Pass	Naled	0.040	0.050	0.5	ND	Pass
Chlorantraniliprole	0.040	0.050	40	ND	Pass	Oxamyl	0.010	0.020	0.2	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	0.020	ND	Pass	Pentachloronitrobenzene	0.030	0.050	0.2	ND	Pass
Clofentezine	0.010	0.020	0.5	ND	Pass	Permethrin	0.020	0.050	20	ND	Pass
Coumaphos	0.050	0.100	0.05	ND	Pass	Phosmet	0.010	0.020	0.2	ND	Pass
Cyfluthrin	0.050	0.100	1	ND	Pass	Piperonyl Butoxide	0.010	0.020	8	ND	Pass
Cypermethrin	0.050	0.100	1	ND	Pass	Prallethrin	0.040	0.050	0.4	ND	Pass
Daminozide	0.040	0.050	0.04	ND	Pass	Propiconazole	0.040	0.050	20	ND	Pass
Diazinon	0.010	0.020	0.2	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	ND	Pass
Dimethoate	0.010	0.020	0.01	ND	Pass	Pyridaben	0.030	0.050	3	ND	Pass
Dimethomorph	0.020	0.050	20	ND	Pass	Spinetoram	0.041	0.061	3	ND	Pass
Ethoprophos	0.010	0.020	0.01	ND	Pass	Spinosad	0.019	0.048	3	ND	Pass
Etofenprox	0.010	0.020	0.01	ND	Pass	Spiromesifen	0.010	0.020	12	ND	Pass
Etoxazole	0.010	0.020	1.5	ND	Pass	Spirotetramat	0.020	0.050	13	ND	Pass
Fenhexamid	0.040	0.050	10	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	ND	Pass
Fenpyroximate	0.010	0.020	2	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	4.5	ND	Pass
Flonicamid	0.010	0.020	2	ND	Pass	Trifloxystrobin	0.010	0.020	30	ND	Pass

Date Tested: 07/13/2021 LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 6470A LC-MS; Agilent 7010B GC-MS







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**Overall Status: Pass** 

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## Koi CBD Orange 1000mg

Sample ID: 2107NIVA1152.3771 Strain: Koi CBD Orange 1000mg Matrix: Ingestible

Type: Tincture Sample Size: ; Batch Size: Produced: Collected: 07/12/2021 Received: 07/12/2021 Completed: 07/15/2021 Batch#: 2003BB0723

Client Koi CBD Lic.#

14631 Best Ave Norwalk, CA 90650

#### **Residual Solvents**

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	μg/g	Pass
1,2-Dichloroethane	0.25	0.50	1.0	ND	Pass
Acetone	5.0	10	5000	ND	Pass
Acetonitrile	5.0	10	410	ND	Pass
Benzene	0.25	0.50	1.0	ND	Pass
Butane	5.0	10	5000	ND	Pass
Chloroform	0.25	0.50	1.0	ND	Pass
Ethanol	5.0	10	5000	ND	Pass
Ethyl-Acetate	5.0	10	5000	ND	Pass
Ethyl-Ether	5.0	10	5000	ND	Pass
Ethylene Oxide	0.50	1.0	1.0	ND	Pass
Heptane	5.0	10	5000	ND	Pass
Isopropanol	5.0	10	5000	ND	Pass
Methanol	5.0	10	3000	ND	Pass
Methylene Chloride	0.25	0.50	1.0	ND	Pass
n-Hexane	5.0	10	290	ND	Pass
Pentane	5.0	10	5000	ND	Pass
Propane	5.0	10	5000	ND	Pass
Toluene	5.0	10	890	ND	Pass
Trichloroethene	0.25	0.50	1.0	ND	Pass
Xvlenes	5.0	10	2170	ND	Pass



Date Tested: 07/12/2021 LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 5977B GC-MS-FID







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**Overall Status: Pass** 

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### Koi CBD Orange 1000mg

Sample ID: 2107NIVA1152.3771 Strain: Koi CBD Orange 1000mg Matrix: Ingestible Type: Tincture

Sample Size: ; Batch Size:

Produced: Collected: 07/12/2021 Received: 07/12/2021 Completed: 07/15/2021 Batch#: 2003BB0723

Client Koi CBD Lic.#

14631 Best Ave Norwalk, CA 90650

### **Terpenes**

Analyte	LOD	LOQ	Mass	Mass	
	mg/mL	mg/mL	mg/mL	mg/g	
δ-Limonene	0.03	0.09	0.39	0.42	
α-Bisabolol	0.03	0.09	<loq< th=""><th><loq< th=""><th></th></loq<></th></loq<>	<loq< th=""><th></th></loq<>	
α-Humulene	0.03	0.09	ND	ND	
α-Pinene	0.03	0.09	ND	ND	
α-Terpinene	0.03	0.09	ND	ND	
β-Caryophyllene	0.03	0.09	ND	ND	
β-Myrcene	0.03	0.09	ND	ND	
β-Pinene	0.03	0.09	ND	ND	
Camphene	0.03	0.09	ND	ND	
Caryophyllene Oxide	0.03	0.09	ND	ND	
cis-Nerolidol	0.03	0.09	ND	ND	
δ-3-Carene	0.03	0.09	ND	ND	
Eucalyptol	0.03	0.09	ND	ND	
y-Terpinene	0.03	0.09	ND	ND	
Guaiol	0.03	0.09	ND	ND	
Isopulegol	0.03	0.09	ND	ND	
Linalool	0.03	0.09	ND	ND	
Ocimene	0.03	0.09	ND	ND	
p-Cymene	0.03	0.09	ND	ND	
Terpinolene	0.03	0.09	ND	ND	
trans-Nerolidol	0.03	0.09	ND	ND	
Total			0.39	0.42	

# **Primary Aromas**



Date Tested: 07/13/2021

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Unless otherwise stated, all quality control samples performed within specications established by the Laboratory. Analytical Instrumentation: Agilent 5977B HS-GC-MS; SOP.TS.4.200" This terpenes method has not yet been evaluated for ISO/IEC 17025 accreditation.





Noah Kaplan

Lab Director

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