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1 of 5

Overall Status: Pass

Koi CBD Citrus Burst Lotion 200 mg

Sample ID: 2101NIVA0113.0329 Strain: Citrus Burst 200 mg Matrix: Topical

Type: Lotion

Sample Size: 1 units; Batch Size:

Produce

Collected: 01/29/2021 Received: 01/29/2021

Completed: 02/12/2021 Batch#: 1740BB0123 Client

Koi CBD Lic.#

14631 Best Ave Norwalk, CA 90650



Pass

Foreign Matter

SOP.TS.4.001

Pass

Microbials

Pass

Heavy Metals

SOPTS.4.500 ICP-MS

Pass

Solvents

Not Tested

Moisture

Not Tested

NT

Water Activity

SOPTS 4 001

Pass

Pesticides

SOP.TS.4.301 GC-MS/MS

Pass

Mycotoxins

Cannabinoids (SOP.TS.4.100 HPLC Analysis)

ND ND

Total THC

1.911 mg/serving

1.911 mg/mL

Total CBD

1.911 mg/serving

1.911 mg/mL

Total Cannabinoids

NT

Moisture

Analyte	LOD	LOQ	Mass	Mass	Mass	Mass	
	mg/g	mg/g	mg/mL	%	mg/serving	mg/package	
CBD	0.2400	0.8000	1.911	0.19	1.91	238.88	
CBC	0.2400	0.8000	ND	ND	ND	ND	
CBG	0.2400	0.8000	ND	ND	ND	ND	
CBN	0.2400	0.8000	ND	ND	ND	ND	
CBDa	0.2400	0.8000	ND	ND	ND	ND	
CBDV	0.2400	0.8000	ND	ND	ND	ND	
CBGa	0.2400	0.8000	ND	ND	ND	ND	
THCa	0.2400	0.8000	ND	ND	ND	ND	
THCV	0.2400	0.8000	ND	ND	ND	ND	
Δ8-ΤΗС	0.2400	0.8000	ND	ND	ND	ND	
Δ9-ΤΗС	0.2400	0.8000	ND	ND	ND	ND	
Total THC			ND	ND	ND	ND	
Total CBD			1.911	0.191	1.911	238.875	
Total				0.1911	1.911	238.875	

Density: 1.000g per 1 mL

Cannabinoids Date Tested: 02/01/2021

Total THC = (THCa x 0.877) + Δ 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:
- : Moisture Date Tested:

Foreign Material Analytical Instrumentation: Illuminated Magnifying Lens. Foreign Material Analysis Date:; Foreign Matter Date Tested: 02/01/2021









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Overall Status: Pass

Koi CBD Citrus Burst Lotion 200 mg

Sample ID: 2101NIVA0113.0329 Strain: Citrus Burst 200 mg

Matrix: Topical Type: Lotion

Sample Size: 1 units; Batch Size:

Collected: 01/29/2021

Received: 01/29/2021 Completed: 02/12/2021 Batch#: 1740BB0123

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: 02/02/2021 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			20.00	ND	Pass
Ochratoxin A	16	20	20.00	ND	Pass

Date Tested: 02/01/2021 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	1.500	ND	Pass
Cadmium	0.009	0.090	0.500	ND	Pass
Lead	0.009	0.090	0.500	ND	Pass
Mercury	0.005	0.020	3.000	ND	Pass

Date Tested: 02/01/2021

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

Koi CBD Citrus Burst Lotion 200 mg

Sample ID: 2101NIVA0113.0329 Strain: Citrus Burst 200 mg Matrix: Topical Type: Lotion

Sample Size: 1 units; Batch Size:

Produced: Collected: 01/29/2021 Received: 01/29/2021 Completed: 02/12/2021

Batch#: 1740BB0123

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	0.30	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
Flonicamid	0.010	0.020	2.00	ND	Pass	Trifloxystrobin	0.010	0.020	30.00	ND	Pass

Date Tested: 02/01/2021 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





Noah Kaplan Lab Director

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Overall Status: Pass

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Koi CBD Citrus Burst Lotion 200 mg

Sample ID: 2101NIVA0113.0329 Strain: Citrus Burst 200 mg Matrix: Topical Type: Lotion

Sample Size: 1 units; Batch Size:

Collected: 01/29/2021 Received: 01/29/2021

Completed: 02/12/2021 Batch#: 1740BB0123

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	1.000	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	1056.447	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	ND	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



Date Tested: 02/01/2021 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 Citrus Burst Lotion 200 mg

Sample ID: 2101NIVA0113.0329 Strain: Citrus Burst 200 mg Matrix: Topical

Type: Lotion

Sample Size: 1 units; Batch Size:

Collected: 01/29/2021 Received: 01/29/2021

Completed: 02/12/2021 Batch#: 1740BB0123

Client

Koi CBD Lic.#

14631 Best Ave Norwalk, CA 90650

Terpenes

Analyte	LOD	LOQ	Mass	Mass	
	mg/g	mg/g	mg/g	%	
δ-Limonene	0.03	0.10	7.56	0.756	
y-Terpinene	0.03	0.10	0.31	0.031	
β-Pinene	0.03	0.10	0.23	0.023	
p-Cymene	0.03	0.10	0.18	0.018	
α-Pinene	0.03	0.10	0.11	0.011	
α-Bisabolol	0.03	0.10	ND	ND	
α-Humulene	0.03	0.10	ND	ND	
α-Terpinene	0.03	0.10	ND	ND	
β-Caryophyllene	0.03	0.10	ND	ND	
B-Myrcene	0.03	0.10	<loq< th=""><th><loq< th=""><th></th></loq<></th></loq<>	<loq< th=""><th></th></loq<>	
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	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	
Terpinolene	0.03	0.10	<loq< th=""><th><loq< th=""><th></th></loq<></th></loq<>	<loq< th=""><th></th></loq<>	
trans-Nerolidol	0.03	0.10	ND	ND	
Total			8.39	0.839	

Primary Aromas











Pine



Herbal



Date Tested: 02/02/2021

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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