

# Muscle Roll On Gel

Overall Status: Pass

Sample ID: 2101NIVA0073.0232  
Strain: Roll-On Gel 500mg  
Matrix: Topical  
Type: Other  
Sample Size: ; Batch Size:

Produced:  
Collected: 01/20/2021  
Received: 01/20/2021  
Completed: 01/27/2021  
Batch#: 1667BB1222

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

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

## Cannabinoids (SOPTS.4.100 HPLC Analysis)

<b>ND</b> ND Total THC	<b>6.226 mg/serving</b> 6.101 mg/mL Total CBD	<b>7.806 mg/serving</b> 7.650 mg/mL Total Cannabinoids	<b>NT</b> Moisture
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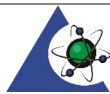
Analyte	LOD mg/g	LOQ mg/g	Mass mg/mL	Mass %	Mass mg/serving	Mass mg/package
CBD	0.0000	0.0010	6.101	0.62	6.23	542.48
CBG	0.0000	0.0010	1.191	0.12	1.22	105.86
CBC	0.0000	0.0010	0.181	0.02	0.19	16.12
CBN	0.0000	0.0010	0.138	0.01	0.14	12.29
CBDV	0.0000	0.0010	0.038	0.00	0.04	3.40
CBDa	0.0000	0.0010	ND	ND	ND	ND
CBGa	0.0000	0.0010	ND	ND	ND	ND
THCa	0.0000	0.0010	ND	ND	ND	ND
THCV	0.0000	0.0010	ND	ND	ND	ND
Δ8-THC	0.0000	0.0010	ND	ND	ND	ND
Δ9-THC	0.0000	0.0010	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>6.101</b>	<b>0.623</b>	<b>6.226</b>	<b>542.478</b>
<b>Total</b>				<b>0.7806</b>	<b>7.806</b>	<b>680.145</b>

Density: 0.980g per 1 mL

Cannabinoids Date Tested: 01/21/2021

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.

Foreign Material Analytical Instrumentation: Illuminated Magnifying Lens. Foreign Material Analysis Date:



Accreditation #101219  
ISO/IEC 17025:2017

Noah Kaplan  
Lab Director  
01/27/2021

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## 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	0.200	ND	Pass
Cadmium	0.009	0.090	0.200	ND	Pass
Lead	0.009	0.090	0.500	<LOQ	Pass
Mercury	0.005	0.020	0.100	ND	Pass

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**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	0.10	ND	Pass	Fludioxonil	0.040	0.050	0.10	ND	Pass
Acephate	0.050	0.100	0.10	ND	Pass	Hexythiazox	0.010	0.020	0.10	ND	Pass
Acequinocyl	0.040	0.050	0.10	ND	Pass	Imazalil	0.040	0.050	0.04	ND	Pass
Acetamiprid	0.010	0.020	0.10	ND	Pass	Imidacloprid	0.010	0.020	5.00	ND	Pass
Aldicarb	0.010	0.020	0.01	ND	Pass	Kresoxim Methyl	0.020	0.050	0.10	ND	Pass
Azoxystrobin	0.010	0.020	0.10	ND	Pass	Malathion	0.010	0.020	0.50	ND	Pass
Bifenazate	0.010	0.020	0.10	ND	Pass	Metalaxyl	0.010	0.020	2.00	ND	Pass
Bifenthrin	0.010	0.020	3.00	ND	Pass	Methiocarb	0.010	0.020	0.01	ND	Pass
Boscalid	0.040	0.050	0.10	ND	Pass	Methomyl	0.010	0.020	1.00	ND	Pass
Captan	0.100	0.100	0.70	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	0.10	ND	Pass
Carbofuran	0.010	0.020	0.01	ND	Pass	Naled	0.040	0.050	0.10	ND	Pass
Chlorantraniliprole	0.040	0.050	10.00	ND	Pass	Oxamyl	0.010	0.020	0.50	ND	Pass
Chlordane	0.030	0.050	0.03	ND	Pass	Pacllobutrazol	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	0.10	ND	Pass
Clofentezine	0.010	0.020	0.10	ND	Pass	Permethrin	0.020	0.050	0.50	ND	Pass
Coumaphos	0.050	0.100	0.05	ND	Pass	Phosmet	0.010	0.020	0.10	ND	Pass
Cyfluthrin	0.050	0.100	2.00	ND	Pass	Piperonyl Butoxide	0.010	0.020	3.00	ND	Pass
Cypermethrin	0.050	0.100	1.00	ND	Pass	Prallethrin	0.040	0.050	0.10	ND	Pass
Daminozide	0.040	0.050	0.04	ND	Pass	Propiconazole	0.040	0.050	0.10	ND	Pass
Diazinon	0.010	0.020	0.10	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	0.50	ND	Pass
Dimethoate	0.010	0.020	0.01	ND	Pass	Pyridaben	0.030	0.050	0.10	ND	Pass
Dimethomorph	0.020	0.050	2.00	ND	Pass	Spinetoram	0.041	0.061	0.10	ND	Pass
Ethoprophos	0.010	0.020	0.01	ND	Pass	Spinosad	0.019	0.048	0.10	ND	Pass
Etofenprox	0.010	0.020	0.01	ND	Pass	Spiromesifen	0.010	0.020	0.10	ND	Pass
Etoxazole	0.010	0.020	0.10	ND	Pass	Spirotetramat	0.020	0.050	0.10	ND	Pass
Fenhexamid	0.040	0.050	0.10	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	0.10	ND	Pass
Fenpyroximate	0.010	0.020	0.10	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	5.00	ND	Pass
Fonicamid	0.010	0.020	0.10	ND	Pass	Trifloxystrobin	0.010	0.020	0.10	ND	Pass

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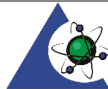
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## Residual Solvents

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		87951.030	Tested
Ethyl-Acetate	5.0	10	5000.000	11.785	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

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## Terpenes

Analyte	LOD	LOQ	Mass	Mass	
	mg/g	mg/g	mg/g	%	
Eucalyptol	0.03	0.10	11.59	1.159	
p-Cymene	0.03	0.10	5.18	0.518	
δ-Limonene	0.03	0.10	1.30	0.130	
α-Terpinene	0.03	0.10	1.00	0.100	
α-Pinene	0.03	0.10	0.31	0.031	
β-Myrcene	0.03	0.10	0.13	0.013	
α-Bisabolol	0.03	0.10	ND	ND	
α-Humulene	0.03	0.10	ND	ND	
β-Caryophyllene	0.03	0.10	<LOQ	<LOQ	
β-Pinene	0.03	0.10	<LOQ	<LOQ	
Camphene	0.03	0.10	<LOQ	<LOQ	
Caryophyllene Oxide	0.03	0.10	ND	ND	
cis-Nerolidol	0.03	0.10	ND	ND	
δ-3-Carene	0.03	0.10	<LOQ	<LOQ	
γ-Terpinene	0.03	0.10	<LOQ	<LOQ	
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	ND	ND	
trans-Nerolidol	0.03	0.10	ND	ND	
<b>Total</b>			<b>19.51</b>	<b>1.951</b>	

## Primary Aromas

  
**Eucalyptus**

  
**Herbal**

  
**Orange**

  
**Lime**

  
**Pine**

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



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