



Certificate of Analysis

Customer:

OP Innovates, LLC
215 E High St
Lexington, KY 40507

Sample ID: 211202009**Order Number: CB211202004****Sample Name: Overcome Salve**

Collected Date:

Received Date: **12/2/2021**COA Released: **12/13/2021**

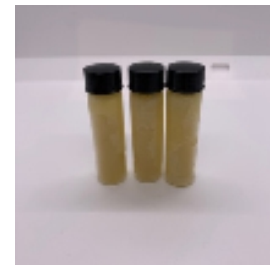
External Sample ID:

Batch Number: **112721A**Product Type: **Other**Sample Type: **Other**

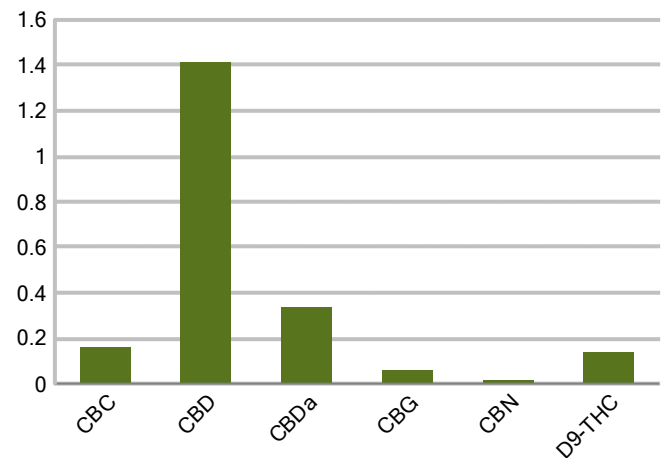
Comments:

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/g
CBC	0.01	0.161	1.605
CBD	0.01	1.416	14.16
CBDa	0.01	0.336	3.356
CBDV	0.01	ND	ND
CBG	0.01	0.060	0.605
CBGa	0.01	ND	ND
CBN	0.01	0.017	0.174
d8-THC	0.01	ND	ND
d9-THC	0.01	0.141	1.406
THCa	0.01	ND	ND
Total Cannabinoids		2.130	21.30
Total Potential THC		0.141	1.406
Total Potential CBD		1.710	17.10
Total Potential CBG		0.060	0.605



Cannabinoids (% weight)

**Ratio of Total Potential CBD to Total Potential THC 12.13 : 1****Ratio of Total Potential CBG to Total Potential THC 0.43 : 1****Total Cannabinoids refers to the sum of all cannabinoids detected.***Total Potential CBD = (0.877 x CBDa) + CBD. *Total Potential THC = (0.877 x THCa) + THC. *Total Potential CBG = (0.877 x CBGa) + CBG.***Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.*

PJLA
Testing
Accreditation #109588

Authorized Signature

Laboratory Manager

Jamie Hobgood

12/13/2021 2:16 PM

DATE

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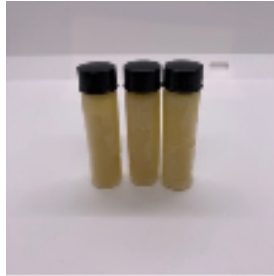


Sample ID: 211202009
Sample Name: Overcome Salve
Sample Type: Other

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Overall Batch Results	
Pesticide	Moisture Content
Potency	Water Activity
Mycotoxins	Heavy Metals
Microbial Screen	Residual Solvents
Terpenoids	

Sample Name: Overcome Salve
Sample ID: 211202009
Product Type: Other
Sample Type: Other
Collected Date:
Received Date: 12/02/2021
Batch Number: 112721A
Batch Size:
Sample Size:
COA released: 12/13/2021 2:16 PM

Potency (mg/g)			
Date Tested: 12/03/2021	Method: CB-SOP-028		
Instrument:			

0.141 %	1.710 %	2.130 %	21.30 mg/g
Total THC	Total CBD	Total Cannabinoids	Total Cannabinoids

Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	0.161	%	0.010	1.605	mg/g
CBD (Cannabidiol)	1.416	%	0.010	14.16	mg/g
CBDa (Cannabidiolic Acid)	0.336	%	0.010	3.356	mg/g
CBDV (Cannabidivarin)	ND	%	0.010	ND	mg/g
CBG (Cannabigerol)	0.060	%	0.010	0.605	mg/g
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/g
CBN (Cannabinol)	0.017	%	0.010	0.174	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	0.141	%	0.010	1.406	mg/g
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/g

Terpenoids					
Date Tested: 12/11/2021	Method: CB-SOP-026				
Instrument:					

Analyte	Result	Unit	LOQ	Result	Unit
alpha-Bisabolol	<LOQ	mg/g	0.100	<LOQ	%
alpha-humulene	<LOQ	mg/g	0.100	<LOQ	%
alpha-pinene	<LOQ	mg/g	0.100	<LOQ	%
alpha-terpinene	1.627	mg/g	0.100	0.1627	%
beta-caryophyllene	0.349	mg/g	0.100	0.0349	%
Beta-myrcene	<LOQ	mg/g	0.100	<LOQ	%
Beta-pinene	<LOQ	mg/g	0.100	<LOQ	%
cis-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Camphene	<LOQ	mg/g	0.100	<LOQ	%
d-Limonene	1.874	mg/g	0.100	0.1874	%
delta-3-Carene	<LOQ	mg/g	0.100	<LOQ	%
Eucalyptol	3.083	mg/g	0.100	0.3083	%
gamma-Terpinene	<LOQ	mg/g	0.100	<LOQ	%
Geraniol	<LOQ	mg/g	0.100	<LOQ	%
Guaiol	<LOQ	mg/g	0.100	<LOQ	%
Isopulegol	<LOQ	mg/g	0.100	<LOQ	%
Linalool	1.811	mg/g	0.100	0.1811	%
Ocimene (mixture of isomers)	0.262	mg/g	0.100	0.0262	%
p-Isopropyltoluene (p-Cymene)	1.292	mg/g	0.100	0.1292	%
trans-beta-Ocimene	<LOQ	mg/g	0.100	<LOQ	%
trans-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Terpinolene	<LOQ	mg/g	0.100	<LOQ	%

Foreign Material	Result	Note
Date Tested: 12/08/2021	Absence	

Water Activity	Result	Units	LOQ	Result
Date Tested: 12/10/2021	0.423	Aw	0.030	

Pesticides		
Date Tested: 12/09/2021	Method: CB-SOP-025	Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	ND	ppm	0.010		Acetamiprid	ND	ppm	0.010	
Aldicarb	ND	ppm	0.010		Azoxystrobin	ND	ppm	0.010	
Bifenazate	ND	ppm	0.010		Bifenthrin	ND	ppm	0.100	
Boscalid	ND	ppm	0.010		Carbaryl	ND	ppm	0.010	
Carbofuran	ND	ppm	0.010		Chlorantraniliprole	ND	ppm	0.010	
Chlorpyrifos	<LOQ	ppm	0.010		Clofentezine	ND	ppm	0.010	
Coumaphos	ND	ppm	0.010		Daminozide	ND	ppm	0.010	
Diazinon	0.115	ppm	0.010		Dichlorvos	ND	ppm	0.010	
Dimethoate	ND	ppm	0.010		Etofenprox	ND	ppm	0.010	
Etoxazole	ND	ppm	0.010		Fenhexamid	ND	ppm	0.010	
Fenoxycarb	ND	ppm	0.010		Fenpyroximate	ND	ppm	0.010	
Fipronil	ND	ppm	0.010		Fonicamid	ND	ppm	0.100	

NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

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Pesticides								
Date Tested: 12/09/2021	Method: CB-SOP-025			Instrument:				

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Fludioxonil	ND	ppm	0.010		Hexythiazox	ND	ppm	0.010	
Imazalil	ND	ppm	0.010		Imidacloprid	ND	ppm	0.010	
Malathion	ND	ppm	0.010		Metalaxyl	ND	ppm	0.010	
Methiocarb	ND	ppm	0.010		Methomyl	ND	ppm	0.010	
Myclobutanil	ND	ppm	0.010		Naled	ND	ppm	0.010	
Oxamyl	ND	ppm	0.010		Paclobutrazol	ND	ppm	0.010	
Phosmet	ND	ppm	0.010		Prallethrin	ND	ppm	0.010	
Propiconazole	ND	ppm	0.010		Propoxur	ND	ppm	0.010	
Pyrethrin I	ND	ppm	0.010		Pyrethrin II	ND	ppm	0.010	
Pyridaben	ND	ppm	0.010		Spinetoram	ND	ppm	0.010	
Spiromesifen	ND	ppm	0.010		Spirotetramat	ND	ppm	0.010	
Tebuconazole	ND	ppm	0.010		Thiacloprid	ND	ppm	0.010	
Thiamethoxam	ND	ppm	0.010		Trifloxystrobin	ND	ppm	0.010	
Ethoprophos	ND	ppm	0.010		Kresoxym-methyl	ND	ppm	0.010	
Permethrins	0.038	ppm	0.010		Piperonyl Butoxide	0.037	ppm	0.010	
Spinosyn A	ND	ppm	0.010		Spiroxamine-1	ND	ppm	0.010	
AbamectinB1a	ND	ppm	0.010		Spinosyn D	ND	ppm	0.010	

Moisture Content								
Date Tested: 12/10/2021	Method: CB-SOP-020			Instrument:				

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Percent Moisture	6	%	0.010						

Mycotoxins								
Date Tested: 12/09/2021	Method: CB-SOP-025			Instrument:				

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Ochratoxin A	ND	ppm	0.010		Aflatoxin B1	ND	ppm	0.010	
Aflatoxin G2	ND	ppm	0.010		Aflatoxin B2	ND	ppm	0.010	
Aflatoxin G1	ND	ppm	0.010						

Metals								
Date Tested: 12/09/2021	Method: CB-SOP-027			Instrument:				

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Arsenic	<LOQ	ppm	0.200		Cadmium	<LOQ	ppm	0.200	
Lead	<LOQ	ppm	0.200		Mercury	<LOQ	ppm	0.200	

Microbial								
Date Tested: 12/10/2021	Method:			Instrument:				

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
STEC (E. coli)	Negative				Salmonella	Negative			
L. monocytogenes	Negative				Yeast/Mold (qPCR)	0	CFUs		

Residual Solvent								
Date Tested: 12/10/2021	Method: CB-SOP-032			Instrument:				

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
1-4 Dioxane	<LOQ	ppm	29		2-Butanol	<LOQ	ppm	175	
2-Ethoxyethanol	<LOQ	ppm	24		2-Methylpentane	<LOQ	ppm	87	
3-Methylpentane	<LOQ	ppm	87		2-Propanol	<LOQ	ppm	350	

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Sample Type: Other

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Residual Solvent

Date Tested: 12/10/2021 Method: CB-SOP-032 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Cyclohexane	<LOQ	ppm	146		Ether	<LOQ	ppm	350	
Ethylbenzene	<LOQ	ppm	81		Acetone	<LOQ	ppm	350	
Isopropyl Acetate	<LOQ	ppm	175		Methylbutane	<LOQ	ppm	350	
n-Heptane	<LOQ	ppm	350		n-Hexane	<LOQ	ppm	87	
n-Pentane	<LOQ	ppm	350		Tetrahydrofuran	<LOQ	ppm	54	
Acetonitrile	<LOQ	ppm	123		Ethanol	<LOQ	ppm	350	
Ethyl acetate	<LOQ	ppm	175		o-Xylene	<LOQ	ppm	81	
m+p-Xylene	<LOQ	ppm	163		Methanol	<LOQ	ppm	250	
Methylene Chloride	<LOQ	ppm	90		Toluene	<LOQ	ppm	67	



Authorized Signature


Laboratory Manager

Jamie Hobgood

12/13/2021 2:16 PM

Date Time

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