



Certificate of Analysis

Customer:
Applied Botanics, LLC
118 E Main St Ste #200
Louisville, KY 40202

Sample ID: **200917030**
Order Number: **CB200917013**
Sample Name: **Tranquility 20-1**

Collected Date:
Received Date: **9/17/2020**
COA Released: **9/23/2020**

External Sample ID:
Batch Number:
Product Type: **Other**
Sample Type: **Other**

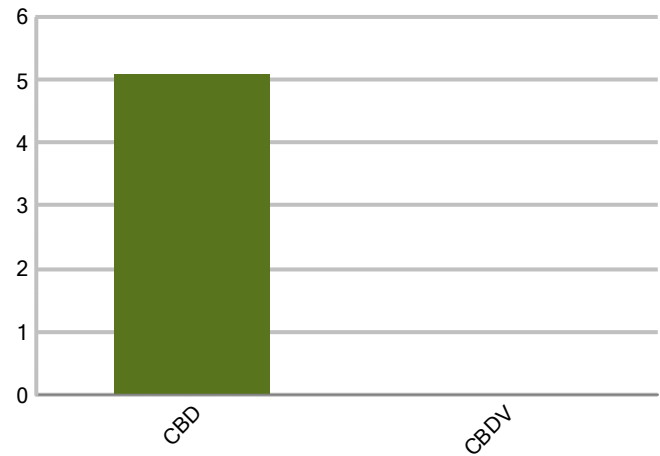
Comments:

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/g
CBC	0.01	ND	ND
CBD	0.01	5.091	50.91
CBDa	0.01	ND	ND
CBDV	0.01	0.014	0.142
CBG	0.01	ND	ND
CBGa	0.01	ND	ND
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	ND	ND
THCa	0.01	ND	ND
Total Cannabinoids		5.105	51.05
Total Potential THC		N/A	N/A
Total Potential CBD		5.091	50.91
Total Potential CBG		N/A	N/A



Cannabinoids (% weight)



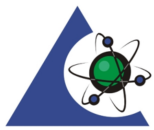
Ratio of Total Potential CBD to Total Potential THC **N/A**

Ratio of Total Potential CBG to Total Potential THC **N/A**

**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

09/23/2020 3:00 PM

DATE

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CannaBusiness Laboratories, LLC
2554 Palumbo Dr. Lexington, KY 40509



Sample ID: 200917030
Sample Name: Tranquility 20-1
Sample Type: Other

Certificate of Analysis

Customer

Applied Botanics, LLC
118 E Main St Ste #200
Louisville, KY 40202



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

Sample Name: Tranquility 20-1

Sample ID: 200917030

Product Type: Other

Sample Type: Other

Collected Date:

Received Date: 09/17/2020

Batch Number:

Batch Size:

Sample Size:

COA released: 09/23/2020 3:00 PM

Potency (mg/g)			
Date Tested: 09/18/2020	Method:		
Instrument:			

0.000 %	5.091 %	5.105 %	51.05 mg/g
Total THC	Total CBD	Total Cannabinoids	Total Cannabinoids

Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	ND	%	0.010	ND	mg/g
CBD (Cannabidiol)	5.091	%	0.010	50.91	mg/g
CBDa (Cannabidiolic Acid)	ND	%	0.010	ND	mg/g
CBDV (Cannabidivarin)	0.014	%	0.010	0.142	mg/g
CBG (Cannabigerol)	ND	%	0.010	ND	mg/g
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/g
CBN (Cannabinol)	ND	%	0.010	ND	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/g

Terpenoids					
Date Tested: 09/23/2020	Method:				
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	<LOQ	mg/g	0.100	<LOQ	%
beta-caryophyllene	0.384	mg/g	0.100	0.0384	%
Beta-myrcene	2.858	mg/g	0.100	0.2858	%
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	0.765	mg/g	0.100	0.0765	%
delta-3-Carene	0.151	mg/g	0.100	0.0151	%
Eucalyptol	<LOQ	mg/g	0.100	<LOQ	%
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	4.574	mg/g	0.100	0.4574	%
Ocimene (mixture of isomers)	<LOQ	mg/g	0.100	<LOQ	%
p-Isopropyltoluene (p-Cymene)	<LOQ	mg/g	0.100	<LOQ	%
trans-beta-Ocimene	<LOQ	mg/g	0.100	<LOQ	%
trans-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Terpinolene	<LOQ	mg/g	0.100	<LOQ	%

Pesticides		
Date Tested: 09/18/2020	Method:	
Instrument:		

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	ND	ppm	0.010	Pass	Acetamiprid	ND	ppm	0.010	Pass
Aldicarb	ND	ppm	0.010	Pass	Azoxystrobin	ND	ppm	0.010	Pass
Bifenazate	ND	ppm	0.010	Pass	Bifenthrin	ND	ppm	0.010	Pass
Boscalid	ND	ppm	0.010	Pass	Carbaryl	ND	ppm	0.010	Pass
Carbofuran	ND	ppm	0.010	Pass	Chlorantranilprole	ND	ppm	0.010	Pass
Chlorpyrifos	ND	ppm	0.010	Pass	Clofentezine	ND	ppm	0.010	Pass
Coumaphos	ND	ppm	0.010	Pass	Daminozide	ND	ppm	0.010	Pass
Diazinon	ND	ppm	0.010	Pass	Dichlorvos	ND	ppm	0.010	Pass
Dimethoate	ND	ppm	0.010	Pass	Etofenprox	ND	ppm	0.010	Pass
Etoazole	ND	ppm	0.010	Pass	Fenhexamid	ND	ppm	0.010	Pass
Fenoxycarb	ND	ppm	0.010	Pass	Fenpyroximate	ND	ppm	0.010	Pass

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

CannaBusiness Laboratories
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Sample Name: Tranquility 20-1
Sample Type: Other

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Pesticides							
Date Tested: 09/18/2020		Method:		Instrument:			

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

Mycotoxins							
Date Tested: 09/18/2020		Method:		Instrument:			

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

Metals							
Date Tested: 09/18/2020		Method:		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Arsenic	<LOQ	ppm	0.500	Pass	Cadmium	<LOQ	ppm	0.500	Pass
Lead	<LOQ	ppm	0.500	Pass	Mercury	<LOQ	ppm	3.000	Pass

Microbial							
Date Tested: 09/22/2020		Method:		Instrument:			

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



Authorized Signature

J. Hobgood
Laboratory Manager

Jamie Hobgood

09/23/2020 3:00 PM

Date Time

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