





9730 PATUXENT WOODS DRIVE  
SUITE 300  
COLUMBIA, MD 21046

CERTIFICATE OF ANALYSIS  
MMCC LICENSE #: L-19-00001

### SAMPLE INFORMATION



Sample Information	
Sample ID	0000422
Accession Date	2020-01-30
Customer Account	Cativa CBD
Product Name	Balance Mints 16pk
Sample Type	Edible
Carrier Type	Other - Put type in notes
Compliance Sample (Yes/No)	False
Lot/Batch Number	MM1053
Sample Weight/Volume	7.98
Density	1.000
Moisture Correction (%)	0.00%
Water Activity	0.324




0.000% D9-THC %	0.000% Total THC %	0.967% Total CBD %	0.000% Total Terpene %	9.692 mg/g Total Cannabinoids	77.349 mg Total Cannabinoids per Sample
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### CANNABINOID ANALYSIS

Cannabinoids Analysis					
Component	LOE	LOQ	Amount	Unit of Measurement	Amount (%)
CBD	0.005	0.01	9.672	mg/g	0.967%
CBDV	0.005	0.01	0.02	mg/g	0.002%
CBDVA	0.005	0.01	ND	mg/g	ND
CBC	0.005	0.01	ND	mg/g	ND
CBDA	0.005	0.01	ND	mg/g	ND
CBGA	0.005	0.01	ND	mg/g	ND
CBG	0.005	0.01	ND	mg/g	ND
CBN	0.005	0.01	ND	mg/g	ND
D8-THC	0.005	0.01	ND	mg/g	ND
D9-THC	0.005	0.01	ND	mg/g	ND
THCA	0.005	0.01	ND	mg/g	ND
THCV	0.005	0.01	ND	mg/g	ND

#### Breakdown of Detected Cannabinoids



Cannabinoid	Amount (mg/g)
CBD	9.672
CBDV	0.020
CBDVA	ND
CBC	ND
CBDA	ND
CBGA	ND
CBG	ND
CBN	ND
D8-THC	ND
D9-THC	ND
THCA	ND
THCV	ND



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### TERPENES

Terpenes Profile						Terpenes Analysis	
Component	LOD	LOQ	Amount ^	Unit of Measurement	Amount (%)		
b-Myrcene	0.0012	0.01	ND	mg/g	ND	Caryophyllene	
Camphene	0.0012	0.01	ND	mg/g	ND	Limonene	
Caryophyllene ...	0.0012	0.01	ND	mg/g	ND	Cis-Nerolidol	
b-Pinene	0.0012	0.01	ND	mg/g	ND	Linalool	
p-Cymene	0.0012	0.01	ND	mg/g	ND	3-Carene	
Geraniol	0.0012	0.01	ND	mg/g	ND	Eucalyptol	
Caryophyllene	0.0012	0.01	ND	mg/g	ND	Ocimene	
Limonene	0.0012	0.01	ND	mg/g	ND	a-Bisabolol	
Cis-Nerolidol	0.0012	0.01	ND	mg/g	ND	Guaiol	
Linalool	0.0012	0.01	ND	mg/g	ND	Terpinolene	
3-Carene	0.0012	0.01	ND	mg/g	ND	a-Humelene	
Eucalyptol	0.0012	0.01	ND	mg/g	ND	Isopulegol	
Ocimene	0.0012	0.01	ND	mg/g	ND	Trans-Nerolidol	
a-Bisabolol	0.0012	0.01	ND	mg/g	ND	a-Terpinene	
Guaiol	0.0012	0.01	ND	mg/g	ND	a-Pinene	
Terpinolene	0.0012	0.01	ND	mg/g	ND	γ-Terpinene	
a-Humelene	0.0012	0.01	ND	mg/g	ND	b-Myrcene	
Isopulegol	0.0012	0.01	ND	mg/g	ND	Camphene	
Trans-Nerolidol	0.0012	0.01	ND	mg/g	ND	Caryophyllene Oxide	
a-Terpinene	0.0012	0.01	ND	mg/g	ND	b-Pinene	
a-Pinene	0.0012	0.01	ND	mg/g	ND	p-Cymene	
γ-Terpinene	0.0012	0.01	ND	mg/g	ND	Geraniol	

### HEAVY METALS

### RESIDUAL SOLVENTS

Heavy Metals Profile					Solvents Profile			
Component	LOD	LOQ	Amount (ppb) ^		Component	LOD	LOQ	Amount (ppm)
Barium	1000	3000	ND		Benzene	0.05	0.7	0.00
Mercury	10	20	ND		Butane	1000	2000	0.00
Lead	10	20	ND		Ethanol	10	50	0.00
Chromium	10	20	ND		Heptane	10	50	0.00
Arsenic	10	20	ND		Hexane	5	10	0.00
Selenium	10	20	ND		Propane	1000	2000	0.00
Silver	10	20	ND		Toluene	10	50	0.00
Cadmium	10	20	ND		Xylenes	10	20	0.00

### MICROBIALS

### MYCOTOXINS

Microbials Profile			Mycotoxins Profile			
Impurity	Action Limit (CFU/g)	Pass / Fail	Component	LOD	LOQ	Amount (ppb)
Aerobic	> 100,000	Pass	Aflatoxin B1	8	20	ND
Aspergillus	> 10,000	Pass	Aflatoxin B2	8	20	ND
E-Coli	> 100	Pass	Aflatoxin G1	8	20	ND
Salmonella	> 0	Pass	Aflatoxin G2	8	20	ND
			Ochratoxin A	8	20	ND

## CHEMICAL RESIDUES

Chemical Residues Profile					Chemical Residues Profile				
Component	LOD	LOQ	Amount (ppb)		Component	LOD	LOQ	Amount (ppb)	
Abamectin	8	20		ND	Hexythiazol	8	20		ND
Acetamiprid	8	20		ND	Imazalil	8	20		ND
Aldicarb	8	20		ND	Imidacloprid	8	20		ND
Ancymidol	8	20		ND	Kresoxim-Methyl	20	50		ND
Azoxystrobin	8	20		ND	Malathion	10	30		ND
Bifenazate	8	20		ND	Metalaxyl	8	20		ND
Bifenthrin	8	20		ND	Methiocarb	8	20		ND
Boscalid	20	50		ND	Methomyl	8	20		ND
Carbaryl	8	20		ND	Myclobutanil	8	20		ND
Carbofuran	8	20		ND	Naled	8	20		ND
Chlorantraniliprole	20	50		ND	Oxamyl	5	10		ND
Chlorpyrifos	8	20		ND	Palcobutrazole	8	20		ND
Clofentezine	8	20		ND	Permethrin	8	20		ND
Cyfluthrin	20	50		ND	Phosmet	8	20		ND
Daminozide	10	30		ND	Piperonyl Butoxide	8	20		ND
Diazinon	8	20		ND	Propiconazole	8	20		ND
Dichlorvos	8	20		ND	Pyrethrin	8	20		ND
Dimethoate	8	20		ND	Spinosad	8	20		ND
Ethephon	80	200		ND	Spiromesifen	8	20		ND
Etoxazole	8	20		ND	Spirotetramat	8	20		ND
Fenpyroximate	8	20		ND	Thiachloprid	8	20		ND
Fipronil	10	30		ND	Thiamethoxam	8	20		ND
Fludioxinil	20	80		ND	Trifloxystrobin	6	10		ND
Flonicamide	8	20		ND					
Flurprimidol	8	20		ND					

### SIGNATURE OF CONFIRMATION



Conor Jenkins  
Laboratory Manager

### Disclaimer

Testing results are based on the sample submitted to Think20 Labs LLC in the picture and description above. Think20 Labs LLC affirms that all analytical testing was performed consistent with industry standards and in accordance with validated methods designed and verified by Think20 Labs LLC. All testing results were produced in compliance with applicable state and federal laws. This report may not be reproduced, except in full, without the written approval of Think20 Labs LLC.

### Calculations

$$\text{Total CBD} = (\text{CBDA} * 0.877) + \text{CBD}$$

$$\text{Total THC} = (\text{THCA} * 0.877) + \text{D9-THC}$$

$$\text{D9-THC \%} = (\text{Component Amount in mg} / 1000)$$

$$\text{PPM to \%} = ((\text{PPM} / 1000) / 1000) * 100$$

$$\text{Moisture Content Adjustment} = (\text{Component Amount} / (1000 \text{ mg} - (1000 * \text{Moisture Correction \%}))) * 1000$$

LOQ = Limit of Quantitation

LOD = Limit of Detection

ND = Not Detected

PPB - Parts per Billion

PPM - Parts per Million