Batch Release Form

Product :   **Fast Acting Sublingual Tablets containing CBD isolate**
Target 50 mg CBD ± 20%

Batch :   **PF1052J**

Test	Analyte	Acceptance Criteria	Pass	Fail
Cannabinoids	CBD	Mean (n=30) 52.2 mg (104% of target)	✔	
	THC	Not detected	✔	
	THC-A	Not detected	✔	
Microbiology	Escherichia coli	Not detected	✔	
	Salmonella	Not detected	✔	
	Mold	Not detected	✔	
	Yeast	Not detected	✔	
Pesticides	Targeted list	Not detected	✔	
Heavy metals	Arsenic As	<0.4 ppm	✔	
	Cadmium Cd	<0.4 ppm	✔	
	Lead Pb	<1 ppm	✔	
	Mercury Hg	<0.2 ppm	✔	
Residual solvents	Benzene	<2 ppm	✔	
	Heptane	<500 ppm	✔	
	Hexane	<10 ppm	✔	
	Methanol	<3000 ppm	✔	
	Toluene	<5 ppm	✔	
	Total Xylenes	<5 ppm	✔	

✔ Batch is acceptable and released

Batch is not acceptable and will not be released

botanacor

CERTIFICATE OF ANALYSIS

prepared for: PANACEA LIFE SCIENCES
16194 W 45th Drive
Golden, CO 80403

PF1052 J-1

Batch ID:		Test ID:	8725416.0041
Reported:	6-Sep-2019	Method:	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE

53.2mg
mg CBD

CBD	2.38%
CBDa	0.00%
delta 9 THC	0.00%
THCa	0.00%

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))
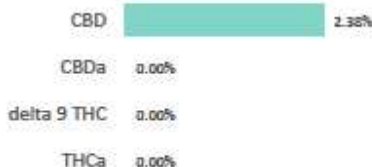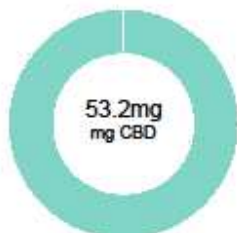
Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.93	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.47	0.00	0.0
Cannabidiolic acid (CBDA)	1.25	0.00	0.0
Cannabidiol (CBD)	0.70	53.20	23.8
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.51	0.00	0.0
Cannabinolic Acid (CBNA)	1.28	0.00	0.0
Cannabinol (CBN)	0.57	0.00	0.0
Cannabigerolic acid (CBGA)	0.81	0.00	0.0
Cannabigerol (CBG)	0.46	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.80	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.42	0.00	0.0
Cannabidivarinic Acid (CBDVA)	1.16	0.00	0.0
Cannabidivarin (CBDV)	0.63	0.00	0.0
Cannabichromenic Acid (CBCA)	0.70	0.00	0.0
Cannabichromene (CBC)	0.84	0.00	0.0
Total Cannabinoids		**53.20**	**23.77**
Total Potential THC**		**0.00**	**0.00**
Total Potential CBD**		**53.20**	**23.77**

NOTES:
# of Servings = 1, Sample Weight=2.23777g

N/A

FINAL APPROVAL

Alex Smith 6-Sep-2019 2:52 PM	David Green 6-Sep-2019 2:54 PM
PREPARED BY / DATE	APPROVED BY / DATE

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A2LA ACCREDITED
Certificate #4329.02

NB This is a representative CoA from one tablet, so the reported CBD concentration does not necessarily exactly match the Batch Release Form which reports the mean of n=30 individual tablet concentrations