# Certificate of Analysis

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### **Clutch City Farms**

11611 W. Airport Blvd Suite H #277 Meadows Place, TX 77477 sales@clutchcityfarms.net 832-820-9494

### Sample: 03-20-2023-31348

Sample Received:03/20/2023; Report Created: 03/22/2023; Expires: 03/21/2024

ower - Cured							
PINEMPERE WHIP Gg		<b>0.788 %</b> Total THC			<b>ND %</b> Δ-9 THC		
	<b>26.481 %</b> Total Cannabinoids				<b>20.823 %</b> Total CBD		
nabinoids Method:HPLC, CON-P-3000) ted: 03/20/2023					Comp		
Analyte	LOD	LOQ	Mass	Mass	_		
	%	%	%	mg/g			
	0.0407	0.0/55	ND				
$\Delta$ -8-Tetrahydrocannabinol ( $\Delta$ -8 THC)	0.0437	0.0655	ND	ND			
Δ-9-Tetrahydrocannabinol (Δ-9 THC) Δ-9-Tetrahydrocannabinolic Acid (THCA-A)	0.0437 0.0437	0.0655 0.0655	ND 0.899	ND 8.987			
A-Q-Totrabydrocappabiphorol (A-Q-TUCP)	0.0427	0.0455					
$\Delta$ -9-Tetrahydrocannabiphorol ( $\Delta$ -9-THCP)	0.0437	0.0655	ND	ND			
$\Delta$ -9-Tetrahydrocannabivarin ( $\Delta$ -9-THCV)	0.0437	0.0655	ND	ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)	0.0437 0.0437	0.0655 0.0655	ND ND	ND ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)	0.0437 0.0437 0.0437	0.0655 0.0655 0.0655	ND ND ND	ND ND ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)	0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655	ND ND ND ND	ND ND ND ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC) 9R-Hexahydrocannabinol (9R-HHC)	0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND	ND ND ND ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC) 9R-Hexahydrocannabinol (9R-HHC) 9S-Hexahydrocannabinol (9S-HHC)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND	ND ND ND ND ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC) 9R-Hexahydrocannabinol (9R-HHC) 9S-Hexahydrocannabinol (9S-HHC) Tetrahydrocannabinol Acetate (THCO)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND ND	ND ND ND ND ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC) 9R-Hexahydrocannabinol (9R-HHC) 9S-Hexahydrocannabinol (9S-HHC)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND	ND ND ND ND ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC) S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC) 9R-Hexahydrocannabinol (9R-HHC) 9S-Hexahydrocannabinol (9S-HHC) Tetrahydrocannabinol Acetate (THCO) Cannabidivarin (CBDV) Cannabidivarinic Acid (CBDVA)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND ND	ND ND ND ND ND ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)9R-Hexahydrocannabinol (9R-HHC)9S-Hexahydrocannabinol (9S-HHC)Tetrahydrocannabinol Acetate (THCO)Cannabidivarin (CBDV)Cannabidiol (CBD)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND ND ND <b>0.127</b>	ND ND ND ND ND ND 1266			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)9R-Hexahydrocannabinol (9R-HHC)9S-Hexahydrocannabinol (9S-HHC)Tetrahydrocannabinol Acetate (THCO)Cannabidivarin (CBDV)Cannabidiol (CBD)Cannabidiol (CBDA)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND ND 0.127 0.558 23.107	ND ND ND ND ND ND 1.266 5.581 231.074			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)9R-Hexahydrocannabinol (9R-HHC)9S-Hexahydrocannabinol (9S-HHC)Tetrahydrocannabinol (9S-HHC)Cannabidivarin (CBDV)Cannabidiol (CBD)Cannabidiol (CBDA)Cannabigerol (CBG)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND ND ND 0.127 0.558	ND ND ND ND ND ND 1.266 5.581			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)9R-Hexahydrocannabinol (S-Δ-10-THC)9S-Hexahydrocannabinol (9S-HHC)7Etrahydrocannabinol (9S-HHC)Cannabidivarin (CBDV)Cannabidiol (CBD)Cannabidiol (CBDA)Cannabidiol (CBG)Cannabigerol (CBG)Cannabigerol (CBGA)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND ND 0.127 0.558 23.107 ND	ND ND ND ND ND 1266 5.581 231.074 ND			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)9R-Hexahydrocannabinol (9R-HHC)9S-Hexahydrocannabinol (9S-HHC)Tetrahydrocannabinol (9S-HHC)Cannabidivarin (CBDV)Cannabidiol (CBD)Cannabidiol (CBDA)Cannabigerol (CBG)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND 0.127 0.558 23.107 ND 0.970	ND ND ND ND ND 1266 5.581 231.074 ND 9.703			
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)9R-Hexahydrocannabinol (S-Δ-10-THC)9R-Hexahydrocannabinol (S-HHC)9S-Hexahydrocannabinol (9S-HHC)Tetrahydrocannabinol Acetate (THCO)Cannabidivarin (CBDV)Cannabidiol (CBD)Cannabidiol (CBDA)Cannabigerol (CBG)Cannabigerol (CBG)Cannabigerol (CBG)Cannabinol (CBN)	0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437 0.0437	0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655 0.0655	ND ND ND ND ND ND 0.127 0.558 23.107 ND 0.970 ND	ND ND ND ND ND 1266 5.581 231.074 ND 9.703 ND			

Total THC = THCa \* 0.877 + Δ9-THC;Total CBD = CBDa \* 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.

Total THC Measurement of Uncertainty:  $\pm$  0.040% Total CBD Measurement of Uncertainty:  $\pm$  2.000% THCO potency analysis does not designate quantitative specificity of  $\Delta$ -8-THCO and  $\Delta$ -9-THCO isomers



New Bloom Labs 6121 Heritage Park Drive, A500 Chattanooga, TN 37416 (844) 837-8223 TN DEA#: RN0563975 ANAB Testing Laboratory (AT-2868): ISO/IEC 17025:2017

Natalie Siracusa

Laboratory Director

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## Certificate of Analysis

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### Clutch City Farms

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#### Pineapple Whip

Plant, Flower - Cured

### Terpenes

(Testing Method:HS-GC/MS, CON-P-4000) Date Tested: 03/20/2023

Date Tested: 03/20/2023					
Analyte	LOD	LOQ	Mass	Mass	
	PPM	PPM	PPM	mg/g	
α-Bisabolol	0.750	3.000	1397.551	1.398	
α-Humulene	0.750	3.000	203.024	0.203	1
α-Pinene	0.750	3.000	2821.271	2.821	
α-Terpinene	0.750	3.000	ND	ND	
1,8-Cineole	0.750	3.000	<loq< th=""><th><loq< th=""><th></th></loq<></th></loq<>	<loq< th=""><th></th></loq<>	
β-Caryophyllene	0.750	3.000	862.107	0.862	
β-Myrcene	0.750	3.000	>2000.000	>2.000	
Borneol	0.750	3.000	162.246	0.162	
Camphene	0.750	3.000	153.404	0.153	
Carene	0.750	3.000	ND	ND	
Caryophyllene Oxide	3.000	3.000	ND	ND	
Citral	0.750	3.000	ND	ND	
Dihydrocarveol	0.750	3.000	ND	ND	
Fenchone	0.750	3.000	64.942	0.065	
γ-Terpinene	0.750	3.000	16.685	0.017	
Limonene	0.750	3.000	1952.164	1.952	
Linalool	0.750	3.000	709.271	0.709	
Menthol	0.750	3.000	ND	ND	
Nerolidol	0.750	3.000	ND	ND	
Ocimene	0.750	3.000	ND	ND	
Pulegone	0.750	3.000	ND	ND	
Terpinolene	0.750	3.000	44.230	0.044	
Total			18968.626	18.969	1.897 %



Clove

Sample: 03-20-2023-31348

Report Created: 03/22/2023; Expires: 03/21/2024

Sample Received:03/20/2023;

Pine

**Primary Aromas** 

Lime Floral



Cinnamon

Total terpenes value is qualitative and includes concentrations outside the assay quantitative analytical range.



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Laboratory Director

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