

## Certificate of Analysis

## Arete

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## Sample: 01-16-2024-44376

Sample Received:01/16/2024; Report Created: 03/04/2024; Expires: 01/17/2025

		19.065 %			0.144 %		
Contraction of the second	Total THC 21.797 % Total Cannabinoids				0.144 % Δ-9 THC		
Accession of the second				<loq %<br="">Total CBD</loq>			
<b>Dinoids</b> pd:HPLC, CON-P-3000) 11/16/2024						Co	
Analyte	LOD	LOQ	Mass	Mass			
	%	%	%	mg/g			
$\Delta$ -8-Tetrahydrocannabinol ( $\Delta$ -8 THC)	0.0500	0.0750	ND	ND	1		
$\Delta$ -9-Tetrahydrocannabinol ( $\Delta$ -9 THC)	0.0500 0.0500	0.0750 0.0750	0.144 21.575	1.440			
Δ-9-Tetrahydrocannabinolic Acid (THCA-A)							
				215.750			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)	0.0500	0.0750	ND	ND			
$\Delta$ -9-Tetrahydrocannabiphorol ( $\Delta$ -9-THCP) $\Delta$ -9-Tetrahydrocannabivarin ( $\Delta$ -9-THCV)	0.0500 0.0500	0.0750 0.0750	ND ND	ND ND			
$\Delta$ -9-Tetrahydrocannabiphorol (Δ-9-THCP) $\Delta$ -9-Tetrahydrocannabivarin (Δ-9-THCV) $\Delta$ -9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)	0.0500 0.0500 0.0220	0.0750 0.0750 0.0750	ND ND <loq< td=""><td>ND ND <loq< td=""><td></td><td></td></loq<></td></loq<>	ND ND <loq< td=""><td></td><td></td></loq<>			
$\Delta$ -9-Tetrahydrocannabiphorol ( $\Delta$ -9-THCP) $\Delta$ -9-Tetrahydrocannabivarin ( $\Delta$ -9-THCV) $\Delta$ -9-Tetrahydrocannabivarinic Acid ( $\Delta$ -9-THCVA) R- $\Delta$ -10-Tetrahydrocannabinol (R- $\Delta$ -10-THC)	0.0500 0.0500 0.0220 0.0500	0.0750 0.0750 0.0750 0.0750	ND ND <loq ND</loq 	ND ND <loq ND</loq 			
$\Delta$ -9-Tetrahydrocannabiphorol ( $\Delta$ -9-THCP) $\Delta$ -9-Tetrahydrocannabivarin ( $\Delta$ -9-THCV) $\Delta$ -9-Tetrahydrocannabivarinic Acid ( $\Delta$ -9-THCVA) R- $\Delta$ -10-Tetrahydrocannabinol (R- $\Delta$ -10-THC) S- $\Delta$ -10-Tetrahydrocannabinol (S- $\Delta$ -10-THC)	0.0500 0.0500 0.0220 0.0500 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750	ND ND <loq ND ND</loq 	ND ND <loq ND ND</loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP) 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)	0.0500 0.0500 0.0220 0.0500 0.0500 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ND <loq ND ND ND</loq 	ND ND <loq ND ND</loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP) 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)	0.0500 0.0500 0.0220 0.0500 0.0500 0.0500 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND <loq ND ND ND ND</loq 	ND ND <loq ND ND ND</loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)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)Tetrahydrocannabinol (PTHC)	0.0500 0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ND <loq ND ND ND ND</loq 	ND ND <loq ND ND</loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)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 (PS-HHC)Cannabidivarin (CBDV)	0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND <loq ND ND ND ND ND ND</loq 	ND ND <loq ND ND ND ND ND</loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)   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 (S-HHC)   Cannabidivarin (CBDV)   Cannabidivarinic Acid (CBDVA)	0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ≺LOQ ND ND ND ND ND ND ND ND	ND ND <loq ND ND ND ND ND</loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)   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 (S-HHC)   Cannabidivarin (CBDV)   Cannabidiol (CBD)	0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ≺LOQ ND ND ND ND ND ND ND ND ND	ND ND <loq ND ND ND ND ND ND ND</loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)   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)   S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)   S-Δ-10-Tetrahydrocannabinol (9R-HHC)   9R-Hexahydrocannabinol (9S-HHC)   Tetrahydrocannabinol Acetate (THCO)   Cannabidivarini (CBDV)   Cannabidiol (CBD)   Cannabidiolic Acid (CBDA)	0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ≺LOQ ND ND ND ND ND ND ND ND KD KD	ND ND <loq ND ND ND ND ND <loq< td=""><td></td><td></td></loq<></loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)   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 (9R-HHC)   9S-Hexahydrocannabinol (9S-HHC)   Tetrahydrocannabinol (9S-HHC)   Cannabidivarini (CBDV)   Cannabidiol (CBD)   Cannabidiol (CBDA)   Cannabigerol (CBG)	0.0500 0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0220	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ND VD ND ND ND ND ND ND VD VD VD VD VD VD VD VD VD V	ND ND <loq ND ND ND ND <loq <loq< td=""><td></td><td></td></loq<></loq </loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)   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)   Cannabidivarini (CBDV)   Cannabidiol (CBD)   Cannabidiolic Acid (CBDA)   Cannabigerol (CBG)   Cannabigerolic Acid (CBGA)	0.0500 0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0220 0.0220 0.0220	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ≺LOQ ND ND ND ND ND ND ND <loq <loq <b>0.078</b></loq </loq 	ND ND <loq ND ND ND ND ND <loq <loq 0.780</loq </loq </loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)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-Δ-10-THC)9R-Hexahydrocannabinol (S-Δ-10-THC)9R-Hexahydrocannabinol (S-Δ-10-THC)9C-Hexahydrocannabinol (S-Δ-10-THC)9C-Hexahydrocannabinol (S-HHC)Tetrahydrocannabinol Acetate (THCO)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabidiolic Acid (CBDA)Cannabigerol (CBG)Cannabigerolic Acid (CBGA)Cannabinol (CBN)	0.0500 0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0220 0.0220 0.0220 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ×LOQ ND ND ND ND ND ND ×LOQ ×LOQ 0.078 ND	ND ND <loq ND ND ND ND ND <loq <loq 0.780 ND</loq </loq </loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)   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)   S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)   9R-Hexahydrocannabinol (S-Δ-10-THC)   9R-Hexahydrocannabinol (S-Δ-10-THC)   9R-Hexahydrocannabinol (S-Δ-10-THC)   9C-Hexahydrocannabinol (S-HHC)   Tetrahydrocannabinol Acetate (THCO)   Cannabidivarinic Acid (CBDVA)   Cannabidiol (CBD)   Cannabidiolic Acid (CBDA)   Cannabigerol (CBG)   Cannabiolol (CBN)   Cannabinol (CBN)   Cannabinolic Acid (CBDA)   Cannabinolic Acid (CBNA)	0.0500 0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0220 0.0220 0.0220 0.0500 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ×LOQ ND ND ND ND ND ×LOQ ×LOQ •LOQ 0.078 ND	ND ND <loq ND ND ND ND <loq <loq <loq 0.780 ND ND</loq </loq </loq </loq 			
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)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-Δ-10-THC)9R-Hexahydrocannabinol (S-Δ-10-THC)9R-Hexahydrocannabinol (S-Δ-10-THC)9C-Hexahydrocannabinol (S-Δ-10-THC)9C-Hexahydrocannabinol (S-HHC)Tetrahydrocannabinol Acetate (THCO)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabidiolic Acid (CBDA)Cannabigerol (CBG)Cannabigerolic Acid (CBGA)Cannabinol (CBN)	0.0500 0.0500 0.0220 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0220 0.0220 0.0220 0.0500	0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750 0.0750	ND ×LOQ ND ND ND ND ND ND ×LOQ ×LOQ 0.078 ND	ND ND <loq ND ND ND ND ND <loq <loq 0.780 ND</loq </loq </loq 			

Total THC Measurement of Uncertainty:  $\pm$  0.050% 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

Amended report issued to reflect change in sample identification.

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