

Certificate of Analysis

Arete

,

Sample: 12-13-2022-28073

Sample Received: 12/13/2022; Report Created: 12/21/2022; Expires: 12/14/2023

| lant , Flower - Cured | | | | | | | |
|---|--|--|--|--|---|------|------|
| | | 19.263% Total THC 22.432 % Total Cannabinoids | | | 0.245% Δ-9 THC <loq %<br="">Total CBD</loq> | | |
| And a state of the | | | | | | | |
| Cannabinoids (Testing Method:HPLC, CON-P-3000) Date Tested: 12/13/2022 | | | | | | Comp | lete |
| Analyte | LOD | LOQ | Mass | Mass | | | |
| | % | % | % | mg/g | | | |
| Δ-8-Tetrahydrocannabinol (Δ-8 THC) | 0.0469 | 0.0704 | ND | ND | | | |
| Δ -9-Tetrahydrocannabinol (Δ -9 THC) | 0.0469 | 0.0704 | 0.245 | 2.451 | 1 | | |
| | | | | | | | |
| Δ-9-Tetrahydrocannabinolic Acid (THCA-A) | 0.0469 | 0.0704 | 21.685 | 216.854 | | | |
| Δ-9-Tetrahydrocannabinolic Acid (THCA-A) Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP) | 0.0469 0.0469 | 0.0704 0.0704 | 21.685 ND | 216.854 ND | | | |
| | | | | | | | |
| Δ -9-Tetrahydrocannabiphorol (Δ -9-THCP) | 0.0469 | 0.0704 | ND | ND | | | |
| Δ -9-Tetrahydrocannabiphorol (Δ-9-THCP) Δ -9-Tetrahydrocannabivarin (Δ-9-THCV) | 0.0469 0.0469 | 0.0704 0.0704 | ND ND | ND ND | | | |
| Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP) Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA) | 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 | ND ND <loq< td=""><td>ND ND <loq< td=""><td></td><td></td><td></td></loq<></td></loq<> | ND ND <loq< td=""><td></td><td></td><td></td></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) | 0.0469 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 | ND ND <loq ND</loq | ND ND <loq ND</loq | | | |
| $\label{eq:Lambda} \begin{split} & \Delta\mbox{-}9\mbox{-}1\mbox$ | 0.0469 0.0469 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 | ND ND <loq ND ND</loq | ND ND <loq ND ND</loq | | | |
| $\label{eq:linear} \begin{array}{l} \Delta -9 \mbox{-} $ | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | 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) | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | ND 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 Acetate (THCO) | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | ND ND <loq 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-Δ-10-CHC)Cannabidivarin (CBDV)Cannabidivarinic Acid (CBDVA)Cannabidol (CBD) | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | ND ND <loq ND ND ND ND ND ND ND ND</loq | ND ND <loq 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)9R-Hexahydrocannabinol (9R-HHC)9S-Hexahydrocannabinol (9S-HHC)Tetrahydrocannabinol (S-Δ-10-THCO)Cannabidivarin (CBDV)Cannabidi (CBD)Cannabidiol (CBDA) | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | ND ND <loq ND ND ND ND ND ND ND <loq< td=""><td>ND ND <loq ND ND ND ND ND <loq< td=""><td></td><td></td><td></td></loq<></loq </td></loq<></loq | ND ND <loq ND ND ND ND ND <loq< td=""><td></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 (9R-HHC)9S-Hexahydrocannabinol (9S-HHC)Tetrahydrocannabinol (S-Δ-10-THC)Cannabidivarin (CBDV)Cannabidivarinic Acid (CBDA)Cannabidiol (CBD)Cannabidiolic Acid (CBDA)Cannabigerol (CBG) | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | ND ND <loq ND ND ND ND ND ND ND <loq <loq< td=""><td>ND ND <loq ND ND ND ND ND <loq <loq< td=""><td></td><td></td><td></td></loq<></loq </loq </td></loq<></loq </loq | ND ND <loq ND ND ND ND ND <loq <loq< td=""><td></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)9R-Hexahydrocannabinol (9R-HHC)9S-Hexahydrocannabinol (9S-HHC)Tetrahydrocannabinol (S9-HHC)Cannabidivarin (CBDV)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabidiolic Acid (CBDA)Cannabigerol (CBG)Cannabigerolic Acid (CBGA) | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0291 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | ND ×LOQ ND ND ND ND ND ND ×LOQ <loq 0.328</loq | ND ND <loq ND ND ND ND ND <loq <loq 3.277</loq </loq </loq | | | |
| Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)Δ-9-Tetrahydrocannabivarinc 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 (S9-HHC)Cannabidivarin (CBDV)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabidioli (CBD)Cannabigerol (CBG)Cannabigerol (CBG)Cannabigerolic Acid (CBGA)Cannabinol (CBN) | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0291 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | ND ND ND ND ND ND ND ND ND ND | ND ND <loq ND ND ND ND ND <loq <loq 3.277 ND</loq </loq </loq | | | |
| Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)Δ-9-Tetrahydrocannabivarinc 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 (S9-HHC)Cannabidivarin (CBDV)Cannabidivarin (CBDV)Cannabidiol (CBD)Cannabidioli (CBD)Cannabidioli (CBG)Cannabigerol (CBG)Cannabigeroli (CBG)Cannabigeroli (CBGA)Cannabinol (CBN)Cannabinol (CBN)Cannabi | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0291 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | ND VD VD ND ND ND ND VD VD VD VD VD VD VD VD VD V | ND ND <loq ND ND ND ND <loq <loq <loq <loq< td=""><td></td><td></td><td></td></loq<></loq </loq </loq </loq | | | |
| Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)Δ-9-Tetrahydrocannabivarinc 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 (S9-HHC)Cannabidivarin (CBDV)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabidioli (CBD)Cannabigerol (CBG)Cannabigerol (CBG)Cannabigerolic Acid (CBGA)Cannabinol (CBN) | 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0469 0.0291 0.0469 0.0469 0.0469 | 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 0.0704 | ND ND ND ND ND ND ND ND ND ND | ND ND <loq ND ND ND ND ND <loq <loq 3.277 ND</loq </loq </loq | | | |

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 Δ -8-THCO and Δ -9-THCO isomers



New Bloom Labs 6121 Heritage Park Drive, A500 Chattanooga, TN 37416 (844) 837-8223 TN DEA#: RN0563975



Laboratory Director

New Bloom Labs 10606 Shady Trail,105 Dallas,TX 75520 (844) 837-8223 TX DEA#:RN0594653

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Amended report issued to reflect change in sample identification.

All analyses were conducted at 6121 Heritage Park Dr, Suite A500 Chattanooga, TN 37416. Results published on this certificate relate only to the items tested. Items are tested as received. New Bloom Labs makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected level of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of New Bloom Labs.



Certificate of Analysis

Arete

Sample: 01-12-2023-28988

Sample Received:01/12/2023; Report Created: 01/13/2023; Expires: 01/13/2024

Primary Aromas

Cinnamon

Jet Fuel Pie

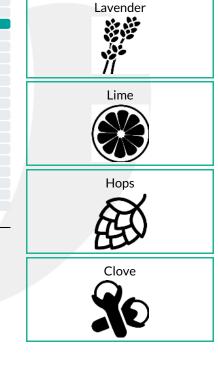
Plant, Flower - Cured

Terpenes

(Testing Method:HS-GC/MS, CON-P-4000)

| Analyte | LOD | LOQ | Mass | Mass | | |
|---------------------|-------|-------|--|--|---------|--|
| | PPM | PPM | PPM | mg/g | | |
| α-Bisabolol | 0.750 | 3.000 | ND | ND | | |
| α-Humulene | 0.750 | 3.000 | 2616.683 | 2.617 | | |
| α-Pinene | 0.750 | 3.000 | 450.838 | 0.451 | | |
| α-Terpinene | 0.750 | 3.000 | <loq< td=""><td><loq< td=""><td>1</td><td></td></loq<></td></loq<> | <loq< td=""><td>1</td><td></td></loq<> | 1 | |
| 1,8-Cineole | 0.750 | 3.000 | <loq< td=""><td><loq< td=""><td>1</td><td></td></loq<></td></loq<> | <loq< td=""><td>1</td><td></td></loq<> | 1 | |
| β-Caryophyllene | 0.750 | 3.000 | 9633.975 | 9.634 | | |
| β-Myrcene | 0.750 | 3.000 | 1280.091 | 1.280 | | |
| Borneol | 0.750 | 3.000 | 185.494 | 0.185 | 1 | |
| Camphene | 0.750 | 3.000 | 118.964 | 0.119 | 1 | |
| Carene | 0.750 | 3.000 | ND | ND | | |
| Caryophyllene Oxide | 3.000 | 3.000 | >3.000 | >0.003 | | |
| Citral | 0.750 | 3.000 | ND | ND | | |
| Dihydrocarveol | 0.750 | 3.000 | ND | ND | | |
| Fenchone | 0.750 | 3.000 | 86.435 | 0.086 | | |
| y-Terpinene | 0.750 | 3.000 | <loq< td=""><td><loq< td=""><td>1</td><td></td></loq<></td></loq<> | <loq< td=""><td>1</td><td></td></loq<> | 1 | |
| Limonene | 0.750 | 3.000 | 2887.301 | 2.887 | | |
| Linalool | 0.750 | 3.000 | 4700.865 | 4.701 | | |
| Menthol | 0.750 | 3.000 | ND | ND | | |
| Nerolidol | 0.750 | 3.000 | ND | ND | | |
| Ocimene | 0.750 | 3.000 | 312.210 | 0.312 | | |
| Pulegone | 0.750 | 3.000 | ND | ND | | |
| Terpinolene | 0.750 | 3.000 | 49.320 | 0.049 | | |
| Total | | | 22598.566 | 22.599 | 2.260 % | |





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



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Laboratory Director

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