

## Certificate of Analysis

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## **Tree-Rolls Hemp Company**

9885 Mesa Rim Rd Ste 112 San Diego, CA 92121 info@treerolls.com 360-223-9593

## Sample: 03-16-2023-31299

Sample Received:03/16/2023; Report Created: 03/17/2023; Expires: 03/16/2024

eroll					
	0.176% Total THC			0.176% Δ-9 THC 6.118 % Total CBD	
REE- TREE TOUS	11.883 % Total Cannabinoids				
abinoids tethod:HPLC, CON-P-3000) ed: 03/16/2023					Cor
Analyte	LOD	LOQ	Mass	Mass	
	%	%	%	mg/g	
$\Delta$ -8-Tetrahydrocannabinol ( $\Delta$ -8 THC)	0.0439	0.0658	ND	ND	
$\Delta$ -9-Tetrahydrocannabinol ( $\Delta$ -9 THC)	0.0439	0.0658	0.176	1.763	
Δ-9-Tetrahydrocannabinolic Acid (THCA-A)	0.0439	0.0658	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
$\Delta$ -9-Tetrahydrocannabiphorol ( $\Delta$ -9-THCP)	0.0439	0.0658	ND	ND	
$\Delta$ -9-Tetrahydrocannabiphorol ( $\Delta$ -9-THCP) $\Delta$ -9-Tetrahydrocannabivarin ( $\Delta$ -9-THCV)	0.0439 0.0439	0.0658 0.0658	ND ND	ND ND	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP) Δ-9-Tetrahydrocannabivarin (Δ-9-THCV) Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)	0.0439 0.0439 0.0439	0.0658 0.0658 0.0658	ND ND ND	ND ND ND	
$\Delta$ -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)	0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658	ND ND ND ND	ND ND ND	=
$\Delta$ -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)	0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND	ND ND ND ND	
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)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND	ND ND ND ND ND	
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)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND	ND ND ND ND ND ND	
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)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND ND	ND ND ND ND ND ND	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)   Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)   Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)   R-Δ-10-Tetrahydrocannabional (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)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)   Δ-9-Tetrahydrocannabivarini (Δ-9-THCV)   Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)   R-Δ-10-Tetrahydrocannabionol (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 Acetate (THCO)   Cannabidivarin (CBDV)   Cannabidivarinic Acid (CBDVA)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)   Δ-9-Tetrahydrocannabivarini (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 Acetate (THCO)   Cannabidivarini (CBDV)   Cannabidiol (CBD)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND ND ND ND 3.166	ND ND ND ND ND ND ND 31.658	
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 Acetate (THCO)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabidiolic Acid (CBDA)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND ND 3.166 3.367	ND ND ND ND ND ND ND 31.658 33.667	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)Δ-9-Tetrahydrocannabivarini (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 Acetate (THCO)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabidiol (CBDA)Cannabigerol (CBG)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND ND 3.166 3.367 0.380	ND ND ND ND ND ND ND 31.658 33.667 3.798	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)Δ-9-Tetrahydrocannabivarini (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 (PR-HHC)9S-Hexahydrocannabinol (PS-HHC)Tetrahydrocannabinol (PS-HHC)Cannabidivarini (CBDV)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabigerol (CBG)Cannabigerolic Acid (CBGA)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND 3.166 3.367 0.380 4.523	ND ND ND ND ND ND 31.658 33.667 3.798	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)Δ-9-Tetrahydrocannabivarini (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 (PR-HHC)9S-Hexahydrocannabinol (PS-HHC)Tetrahydrocannabinol (PS-HHC)Cannabidivarini (CBDV)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabigerol (CBG)Cannabigerol (CBG)Cannabinol (CBN)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND 3.166 3.367 0.380 4.523 ND	ND ND ND ND ND ND 31.658 33.667 3.798 45.228 ND	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)Δ-9-Tetrahydrocannabivarini (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 (PR-HHC)9S-Hexahydrocannabinol (PS-HHC)Tetrahydrocannabinol (PS-HHC)Cannabidivarini (CBDV)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabigerol (CBG)Cannabigerol (CBG)Cannabinol (CBN)Cannabinol (CBN)Cannabinol (CBN)Cannabinol (CBN)Cannabinol (CBN)Cannabinol (CBN)Cannabinol (CBN)Cannabinol (CBN)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND 3.166 3.367 0.380 4.523 ND ND	ND ND ND ND ND ND 31.658 33.667 3.798 45.228 ND ND	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)Δ-9-Tetrahydrocannabivarini (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 (PR-HHC)9S-Hexahydrocannabinol (PS-HHC)Tetrahydrocannabinol (PS-HHC)Cannabidivarini (CBDV)Cannabidivarinic Acid (CBDVA)Cannabidiol (CBD)Cannabigerol (CBG)Cannabigerol (CBG)Cannabinol (CBN)	0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439 0.0439	0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658 0.0658	ND ND ND ND ND ND 3.166 3.367 0.380 4.523 ND	ND ND ND ND ND ND 31.658 33.667 3.798 45.228 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



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Natalie Siracusa

Laboratory Director

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