

CERTIFICATE OF ANALYSIS

Prepared for:

Pine Hill Sustainable Farm LLC

200 W. Main Street Watertown, WI USA 53094

Ear Oil

Batch ID or Lot Number:	Test:	Reported:	USDA License:		
	Potency	02Jun2023	N/A		
Matrix:	Test ID:	Started:	Sampler ID:		
Concentrate	T000244713	31May2023	N/A		
	Method(s): TM14 (HPLC-DAD)	Received: 26May2023	Status: N/A		

Idannabichromenic Acid (CBCA) 0.005 0.017 ND ND Idannabidiol (CBD) 0.015 0.046 0.120 1.20 Idannabidiolic Acid (CBDA) 0.016 0.048 <loq< td=""> <loq< td=""> Idannabidivarin (CBDV) 0.004 0.011 ND ND Idannabidivarinic Acid (CBDVA) 0.007 0.020 ND ND Idannabigerol (CBG) 0.003 0.010 ND ND Idannabigerolic Acid (CBGA) 0.014 0.043 ND ND Idannabinol (CBN) 0.004 0.013 ND ND Idannabinolic Acid (CBNA) 0.009 0.029 ND ND Idannabinolic Acid (CBNA) 0.009 0.029 ND ND Idannabinolic Acid (CBNA) 0.0016 0.051 ND ND Idannabinolic Acid (CBNA) 0.015 0.047 ND ND Idannabinolic Acid (THCA-A) 0.013 0.041 ND ND Idan abidivarinic Acid (THCVA) 0.011 0.037 ND<th>Cannabinoids</th><th>LOD (%)</th><th>LOQ (%)</th><th>Result (%)</th><th>Result (mg/g)</th></loq<></loq<>	Cannabinoids	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Identification (CBD) 0.015 0.046 0.120 1.20 Identification (CBDA) 0.016 0.048 <loq< td=""> <loq< td=""> Identification (CBDV) 0.004 0.011 ND ND Identification (CBDVA) 0.007 0.020 ND ND Identification (CBG) 0.003 0.010 ND ND Identification (CBN) 0.014 0.043 ND ND Identification (CBN) 0.004 0.013 ND ND Identification (CBNA) 0.009 0.029 ND ND Identification (CBNA) 0.016 0.051 ND ND Identification (CBNA) 0.009 0.029 ND ND Identification (CBNA) 0.016 0.051 ND ND Identification (CBNA) 0.016 0.051 ND ND Identification (CBNA) 0.015 0.047 ND ND Identification (CBNA) 0.015 0.047 ND ND I</loq<></loq<>	Cannabichromene (CBC)	0.006	0.018	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cannabidiolic Acid (CBDA) 0.016 0.048 <loq< th=""> <loq< th=""> Cannabidivarin (CBDV) 0.004 0.011 ND ND Cannabidivarinic Acid (CBDVA) 0.007 0.020 ND ND Cannabigerol (CBG) 0.003 0.010 ND ND Cannabigerolic Acid (CBGA) 0.014 0.043 ND ND Cannabinol (CBN) 0.004 0.013 ND ND Cannabinolic Acid (CBNA) 0.009 0.029 ND ND Celta 8-Tetrahydrocannabinol (Delta 8-THC) 0.016 0.051 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.015 0.047 ND ND Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.013 0.041 ND ND Delta 9-Tetrahydrocannabivarin (THCV) 0.003 0.009 ND ND Delta 9-Tetrahydrocannabivarin (THCV) 0.003 0.009 ND ND Delta Potential THC 0.011 0.037 ND ND</loq<></loq<>	Cannabichromenic Acid (CBCA)	0.005	0.017	ND	ND
Gannabidivarin (CBDV) 0.004 0.011 ND ND Gannabidivarinic Acid (CBDVA) 0.007 0.020 ND ND Gannabigerol (CBG) 0.003 0.010 ND ND Gannabigerolic Acid (CBGA) 0.014 0.043 ND ND Gannabinol (CBN) 0.004 0.013 ND ND Gannabinolic Acid (CBNA) 0.009 0.029 ND ND Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.016 0.051 ND ND Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.015 0.047 ND ND Delta 9-Tetrahydrocannabivarin (THCV) 0.003 0.009 ND ND Detrahydrocannabivarin (THCV) 0.003 0.009 ND ND Potal Cannabinoids 0.011 0.037 ND ND Total Potential THC ND ND ND	Cannabidiol (CBD)	0.015	0.046	0.120	1.20
Gannabidivarinic Acid (CBDVA) 0.007 0.020 ND ND Gannabigerol (CBG) 0.003 0.010 ND ND Gannabigerolic Acid (CBGA) 0.014 0.043 ND ND Gannabinol (CBN) 0.004 0.013 ND ND Gannabinolic Acid (CBNA) 0.009 0.029 ND ND Gelta 8-Tetrahydrocannabinol (Delta 8-THC) 0.016 0.051 ND ND Gelta 9-Tetrahydrocannabinol (Delta 9-THC) 0.015 0.047 ND ND Gelta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.013 0.041 ND ND Getrahydrocannabivarin (THCV) 0.003 0.009 ND ND Getrahydrocannabivarinic Acid (THCVA) 0.011 0.037 ND ND Gotal Cannabinoids 0.120 1.20 Gotal Potential THC ND ND ND	Cannabidiolic Acid (CBDA)	0.016	0.048	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cannabigerol (CBG) 0.003 0.010 ND ND Cannabigerolic Acid (CBGA) 0.014 0.043 ND ND Cannabinol (CBN) 0.004 0.013 ND ND Cannabinolic Acid (CBNA) 0.009 0.029 ND ND Celta 8-Tetrahydrocannabinol (Delta 8-THC) 0.016 0.051 ND ND Celta 9-Tetrahydrocannabinol (Delta 9-THC) 0.015 0.047 ND ND Celta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.013 0.041 ND ND Celta 9-Tetrahydrocannabivarin (THCV) 0.003 0.009 ND ND Celta 9-Tetrahydrocannabivarin (THCV) 0.003 0.009 ND ND Celta Potential THC 0.011 0.037 ND ND	Cannabidivarin (CBDV)	0.004	0.011	ND	ND
Gannabigerolic Acid (CBGA) 0.014 0.043 ND ND Gannabinol (CBN) 0.004 0.013 ND ND Gannabinolic Acid (CBNA) 0.009 0.029 ND ND Gelta 8-Tetrahydrocannabinol (Delta 8-THC) 0.016 0.051 ND ND Gelta 9-Tetrahydrocannabinol (Delta 9-THC) 0.015 0.047 ND ND Gelta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.013 0.041 ND ND Getrahydrocannabivarin (THCV) 0.003 0.009 ND ND Gotal Cannabinoids 0.011 0.037 ND ND Gotal Potential THC ND ND ND	Cannabidivarinic Acid (CBDVA)	0.007	0.020	ND	ND
Gannabinol (CBN) 0.004 0.013 ND ND Gannabinolic Acid (CBNA) 0.009 0.029 ND ND Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.016 0.051 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.015 0.047 ND ND Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.013 0.041 ND ND Delta 9-Tetrahydrocannabivarin (THCV) 0.003 0.009 ND ND Detrahydrocannabivarinic Acid (THCVA) 0.011 0.037 ND ND Dotal Cannabinoids 0.120 1.20 Dotal Potential THC ND ND ND	Cannabigerol (CBG)	0.003	0.010	ND	ND
Cannabinolic Acid (CBNA) 0.009 0.029 ND ND Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.016 0.051 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.015 0.047 ND ND Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.013 0.041 ND ND Delta 9-Tetrahydrocannabinolic Acid (THCVA) 0.003 0.041 ND ND Delta 9-Tetrahydrocannabivarin (THCV) 0.003 0.009 ND ND Delta 9-Tetrahydrocannabivarin (THCV) 0.003 0.009 ND ND Delta Potential THC 0.011 0.037 ND ND	Cannabigerolic Acid (CBGA)	0.014	0.043	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.016 0.051 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.015 0.047 ND ND Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.013 0.041 ND ND Delta 9-Tetrahydrocannabinolic Acid (THCVA) 0.003 0.009 ND ND Delta 9-Tetrahydrocannabivarin (THCV) 0.003 0.009 ND ND Delta 9-Tetrahydrocannabivarin (THCV) 0.011 0.037 ND ND Delta 9-Tetrahydrocannabivarin (THCV) 0.011 0.	Cannabinol (CBN)	0.004	0.013	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9-THC) Delta 9-Tetrahydrocannabinolic Acid (THCA-A) Delta 9-Tetrahydrocannab	Cannabinolic Acid (CBNA)	0.009	0.029	ND	ND
pelta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.013 0.041 ND ND etrahydrocannabivarin (THCV) 0.003 0.009 ND ND etrahydrocannabivarinic Acid (THCVA) 0.011 0.037 ND ND otal Cannabinoids 0.120 ND ND ND	Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.016	0.051	ND	ND
retrahydrocannabivarin (THCV) 0.003 0.009 ND ND etrahydrocannabivarinic Acid (THCVA) 0.011 0.037 ND ND otal Cannabinoids 0.120 1.20 otal Potential THC ND ND	Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.015	0.047	ND	ND
retrahydrocannabivarinic Acid (THCVA) 0.011 0.037 ND ND rotal Cannabinoids 0.120 1.20 rotal Potential THC ND ND	Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.013	0.041	ND	ND
otal Cannabinoids0.1201.20otal Potential THCNDND	Tetrahydrocannabivarin (THCV)	0.003	0.009	ND	ND
otal Potential THC ND ND	Tetrahydrocannabivarinic Acid (THCVA)	0.011	0.037	ND	ND
	Total Cannabinoids			0.120	1.20
otal Potential CBD 0.120 1.20	Total Potential THC			ND	ND
	Total Potential CBD			0.120	1.20

Final Approval

PREPARED BY / DATE

Samantha Smoll

Sam Smith 02Jun2023 11:09:00 AM MDT

APPROVED BY / DATE

Karen Winternheimer 02Jun2023 11:14:00 AM MDT



https://results.botanacor.com/api/v1/coas/uuid/a339a709-1e59-4be9-810d-3e9100b9cdd8

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).

Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.







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