

TM317 3

CERTIFICATE OF ANALYSIS

Prepared for:

Minneapolis Cider Co.

701 SE 9th St. Minneapolis, MN USA 55414

Batch ID or Lot Number: TM317	Test: Potency	Reported: 14Jul2023	USDA License: N/A		
Matrix: Unit	Test ID: T000248487	Started: 12Jul2023	Sampler ID: N/A		
	Method(s): TM14 (HPLC-DAD)	Received: 12Jul2023	Status: N/A		

Cannabichromenic Acid (CBCA) 0.139 0.449 ND ND Sample Cannabidiol (CBD) 0.486 1.248 ND ND Weight=355g Cannabidiolic Acid (CBDA) 0.498 1.280 ND ND ND Cannabidiolic Acid (CBDV) 0.115 0.295 ND ND ND Cannabidivarinic Acid (CBDVA) 0.208 0.534 ND ND ND Cannabigerol (CBG) 0.086 0.279 ND	Cannabinoids	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabidiol (CBD) 0.486 1.248 ND ND Cannabidiol (CBD) 0.486 1.248 ND ND Cannabidiol (CBD) 0.498 1.280 ND ND Cannabidiolic Acid (CBDA) 0.115 0.295 ND ND Cannabidivarini (CBUV) 0.115 0.295 ND ND Cannabidivarinic Acid (CBDVA) 0.208 0.534 ND ND Cannabigerol (CBG) 0.086 0.279 ND ND Cannabinol (CBN) 0.361 1.166 ND ND Cannabinol (CBN) 0.113 0.364 ND ND Cannabinoli Acid (CBNA) 0.246 0.796 ND ND Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.331 1.390 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.391 1.262 3.300 0.00 Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.346 1.118 ND ND Tetrahydrocannabivarin (THCV) 0.0079 0.254 <	Cannabichromene (CBC)	0.152	0.491	ND	ND	# of Servings = 1,
Cannabidiol (CBD) ND ND Cannabidiolic Acid (CBDA) 0.498 1.280 ND ND Cannabidivarin (CBDV) 0.115 0.295 ND ND Cannabidivarin (CBDV) 0.115 0.295 ND ND Cannabidivarin (CBDV) 0.208 0.534 ND ND Cannabigerol (CBG) 0.086 0.279 ND ND Cannabigerol (CBG) 0.361 1.166 ND ND Cannabinol (CBN) 0.113 0.364 ND ND Cannabinol (CBNA) 0.246 0.796 ND ND Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.430 1.390 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.391 1.262 3.300 0.00 Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.346 1.118 ND ND Tetrahydrocannabinolic Acid (THCVA) 0.305 0.986 ND ND Tetrahydrocannabivarinic Acid (THCVA) 0.305 0.986 ND ND	Cannabichromenic Acid (CBCA)	0.139				Sample Weight=355g
Cannabidivarin (CBDV) 0.115 0.295 ND ND Cannabidivarin (CBDVA) 0.208 0.534 ND ND Cannabigerol (CBG) 0.086 0.279 ND ND Cannabigerol (CBG) 0.361 1.166 ND ND Cannabigerol (CBG) 0.361 1.166 ND ND Cannabinol (CBN) 0.113 0.364 ND ND Cannabinol (CBN) 0.246 0.796 ND ND Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.430 1.390 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.391 1.262 3.300 0.00 Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.346 1.118 ND ND Tetrahydrocannabiovarin (THCV) 0.079 0.254 ND ND Tetrahydrocannabivarin (Acid (THCVA) 0.305 0.986 ND ND Total Cannabinoids 3.300 0.00 3.300 0.00	Cannabidiol (CBD)	0.486				
Cannabidivarinic Acid (CBDVA) 0.208 0.534 ND ND Cannabigerol (CBG) 0.086 0.279 ND ND Cannabigerol (CBG) 0.361 1.166 ND ND Cannabigerol (CBG) 0.361 1.166 ND ND Cannabinol (CBN) 0.113 0.364 ND ND Cannabinoli (CBN) 0.246 0.796 ND ND Cannabinoli (CBNA) 0.246 0.796 ND ND Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.430 1.390 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.391 1.262 3.300 0.00 Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.346 1.118 ND ND Tetrahydrocannabivarinic (THCV) 0.079 0.254 ND ND Tetrahydrocannabivarinic Acid (THCVA) 0.305 0.986 ND ND Total Cannabinoids 3.300 0.00 3.300 0.00	Cannabidiolic Acid (CBDA)	0.498	1.280	ND	ND	
Cannabigerol (CBG) 0.086 0.279 ND ND Cannabigerolic Acid (CBGA) 0.361 1.166 ND ND Cannabinol (CBN) 0.113 0.364 ND ND Cannabinolic Acid (CBNA) 0.246 0.796 ND ND Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.430 1.390 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.391 1.262 3.300 0.00 Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.346 1.118 ND ND Tetrahydrocannabinolic Acid (THCVA) 0.305 0.986 ND ND Tetrahydrocannabinolic Acid (THCVA) 0.305 0.986 ND ND Total Cannabinoids 3.300 0.00 3.300 0.00	Cannabidivarin (CBDV)	0.115	0.295	ND	ND	9
Cannabigerolic Acid (CBGA) 0.361 1.166 ND ND Cannabinol (CBN) 0.113 0.364 ND ND Cannabinoli Acid (CBNA) 0.246 0.796 ND ND Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.430 1.390 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.391 1.262 3.300 0.00 Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.346 1.118 ND ND Tetrahydrocannabinolic Acid (THCVA) 0.305 0.986 ND ND Tetrahydrocannabinoids Internabinoids Internabinoids Internabinoids ND Total Potential THC Internabinoids Internabinoids Internabinoids Internabinoids	Cannabidivarinic Acid (CBDVA)	0.208	0.534	ND	ND	
Cannabinol (CBN)0.1130.364NDNDCannabinolic Acid (CBNA)0.2460.796NDNDDelta 8-Tetrahydrocannabinol (Delta 8-THC)0.4301.390NDNDDelta 9-Tetrahydrocannabinol (Delta 9-THC)0.3911.2623.3000.00Delta 9-Tetrahydrocannabinolic Acid (THCA-A)0.3461.118NDNDTetrahydrocannabivarin (THCV)0.0790.254NDNDTetrahydrocannabivarinic Acid (THCVA)0.3050.986NDNDTotal Cannabinoids3.3000.003.3000.00	Cannabigerol (CBG)	0.086	0.279	ND	ND	
Cannabinolic Acid (CBNA)0.2460.796NDNDDelta 8-Tetrahydrocannabinol (Delta 8-THC)0.4301.390NDNDDelta 9-Tetrahydrocannabinol (Delta 9-THC)0.3911.2623.3000.00Delta 9-Tetrahydrocannabinolic Acid (THCA-A)0.3461.118NDNDTetrahydrocannabivarin (THCV)0.0790.254NDNDTetrahydrocannabivarinic Acid (THCVA)0.3050.986NDNDTotal Cannabinoids3.3000.003.3000.00	Cannabigerolic Acid (CBGA)	0.361	1.166	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC) 0.430 1.390 ND ND Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.391 1.262 3.300 0.00 Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.346 1.118 ND ND Tetrahydrocannabivarin (THCV) 0.079 0.254 ND ND Tetrahydrocannabivarinic Acid (THCVA) 0.305 0.986 ND ND Total Cannabinoids Image: State St	Cannabinol (CBN)	0.113	0.364	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC) 0.391 1.262 3.300 0.00 Delta 9-Tetrahydrocannabinolic Acid (THCA-A) 0.346 1.118 ND ND Tetrahydrocannabivarin (THCV) 0.079 0.254 ND ND Tetrahydrocannabivarinic Acid (THCVA) 0.305 0.986 ND ND Total Cannabinoids 3.300 0.00 3.300 0.00	Cannabinolic Acid (CBNA)	0.246	0.796	ND	ND	, ,
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)0.3461.118NDNDTetrahydrocannabivarin (THCV)0.0790.254NDNDTetrahydrocannabivarinic Acid (THCVA)0.3050.986NDNDTotal Cannabinoids3.3000.00Total Potential THC3.3000.00	Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.430	1.390	ND	ND	9
Tetrahydrocannabivarin (THCV)0.0790.254NDNDTetrahydrocannabivarinic Acid (THCVA)0.3050.986NDNDTotal Cannabinoids3.3000.00Total Potential THC3.3000.00	Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.391	1.262	3.300	0.00	8
Tetrahydrocannabivarinic Acid (THCVA)0.3050.986NDNDTotal Cannabinoids3.3000.00Total Potential THC3.3000.00	Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.346	1.118	ND	ND	•
Total Cannabinoids3.3000.00Total Potential THC3.3000.00	Tetrahydrocannabivarin (THCV)	0.079	0.254	ND	ND	0
Total Potential THC 3.300 0.00	Tetrahydrocannabivarinic Acid (THCVA)	0.305	0.986	ND	ND	5
	Total Cannabinoids			3.300	0.00	
Total Potential CBD ND ND	Total Potential THC			3.300	0.00	0
	Total Potential CBD			ND	ND	5

Final Approval

PREPARED BY / DATE

Karen Winternheimer 14Jul2023 07:52:00 AM MDT

Amantha

Sam Smith 14Jul2023 07:54:00 AM MDT



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/8e89e244-da35-4844-9be5-e2824b26d00b

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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