

Prepared for:
North Brands LLC

Higher Vibes Blueberry Citrus

Batch ID or Lot Number: NCC0002	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 4
Reported: 24May2023	Started: 24May2023	Received: 24May2023	


Cannabinoids

Test ID: T000244668


Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.157	0.516	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.144	0.472	ND	ND	
Cannabidiol (CBD)	0.499	1.342	10.110	0.00	
Cannabidiolic Acid (CBDA)	0.511	1.376	ND	ND	
Cannabidivarin (CBDV)	0.118	0.317	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.213	0.574	ND	ND	
Cannabigerol (CBG)	0.089	0.293	ND	ND	
Cannabigerolic Acid (CBGA)	0.373	1.224	ND	ND	
Cannabinol (CBN)	0.116	0.382	ND	ND	
Cannabinolic Acid (CBNA)	0.254	0.835	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.444	1.458	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.403	1.324	5.280	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.357	1.173	ND	ND	
Tetrahydrocannabivarin (THCV)	0.081	0.266	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.315	1.035	ND	ND	
Total Cannabinoids			15.390	0.00	
Total Potential THC			5.280	0.00	
Total Potential CBD			10.110	0.00	

Final Approval

 Sam Smith
24May2023
01:45:00 PM MDT

PREPARED BY / DATE

 Karen Winternheimer
24May2023
01:55:00 PM MDT

APPROVED BY / DATE

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Residual Solvents

Test ID: T000244671
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	91 - 1813	ND	
Butanes (Isobutane, n-Butane)	184 - 3686	ND	
Methanol	56 - 1110	ND	
Pentane	92 - 1841	ND	
Ethanol	98 - 1958	ND	
Acetone	91 - 1819	ND	
Isopropyl Alcohol	99 - 1985	ND	
Hexane	5 - 106	ND	
Ethyl Acetate	95 - 1898	ND	
Benzene	0.2 - 3.5	ND	
Heptanes	93 - 1863	ND	
Toluene	17 - 341	ND	
Xylenes (m,p,o-Xylenes)	128 - 2560	ND	

Final Approval


PREPARED BY / DATE
Sam Smith
26May2023
05:02:00 PM MDT



APPROVED BY / DATE
Phillip Travisano
26May2023
05:02:00 PM MDT

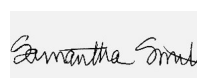
Heavy Metals

Test ID: T000244670
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.73	ND	
Cadmium	0.05 - 4.58	ND	
Mercury	0.05 - 4.60	ND	
Lead	0.04 - 4.38	ND	

Final Approval


PREPARED BY / DATE
Rachel Morris
26May2023
12:35:00 PM MDT


APPROVED BY / DATE
Sam Smith
26May2023
12:37:00 PM MDT

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Pesticides


Test ID: T000244669

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	259 - 2844	ND		Malathion	290 - 2732	ND
Acephate	42 - 2785	ND		Metalaxyl	44 - 2731	ND
Acetamiprid	42 - 2735	ND		Methiocarb	43 - 2750	ND
Azoxystrobin	46 - 2696	ND		Methomyl	42 - 2794	ND
Bifenazate	41 - 2719	ND		MGK 264 1	180 - 1681	ND
Boscalid	52 - 2649	ND		MGK 264 2	114 - 1072	ND
Carbaryl	41 - 2726	ND		Myclobutanil	41 - 2740	ND
Carbofuran	43 - 2710	ND		Naled	49 - 2751	ND
Chlorantraniliprole	41 - 2771	ND		Oxamyl	43 - 2776	ND
Chlorpyrifos	51 - 2721	ND		Paclobutrazol	45 - 2738	ND
Clofentezine	291 - 2751	ND		Permethrin	262 - 2719	ND
Diazinon	284 - 2724	ND		Phosmet	39 - 2688	ND
Dichlorvos	285 - 2789	ND		Prophos	281 - 2732	ND
Dimethoate	44 - 2745	ND		Propoxur	41 - 2716	ND
E-Fenpyroximate	282 - 2714	ND		Pyridaben	289 - 2686	ND
Etofenprox	42 - 2693	ND		Spinosad A	34 - 2079	ND
Etoxazole	290 - 2686	ND		Spinosad D	63 - 656	ND
Fenoxycarb	13 - 2766	ND		Spiromesifen	265 - 2700	ND
Fipronil	28 - 2735	ND		Spirotetramat	274 - 2738	ND
Flonicamid	50 - 2822	ND		Spiroxamine 1	19 - 1212	ND
Fludioxonil	296 - 2655	ND		Spiroxamine 2	22 - 1523	ND
Hexythiazox	39 - 2714	ND		Tebuconazole	293 - 2735	ND
Imazalil	301 - 2741	ND		Thiacloprid	42 - 2724	ND
Imidacloprid	42 - 2778	ND		Thiamethoxam	40 - 2772	ND
Kresoxim-methyl	52 - 2733	ND		Trifloxystrobin	43 - 2707	ND

Final Approval


 Sam Smith
 05Jun2023
 11:12:00 AM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 05Jun2023
 11:20:00 AM MDT
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/e131da78-757c-4bda-b50e-3492e84b314a>

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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 \times (0.877)) and Total CBD = CBD + (CBDa \times (0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa \times (0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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