SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
North Brands LLC
2913 Cherokee PL
Golden Valley, MN USA 55422

Higher Vibes Blueberry Citrus

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 3
NCC0006	Various	Unit	
Reported:	Started:	Received:	
06Jun2023	05Jun2023	06Jun2023	

Cannabinoids

Test ID: T000245697
Methods: TM14 (HPLC-DAD)

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.154	0.544	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.141	0.498	ND	ND	
Cannabidiol (CBD)	0.530	1.446	9.760	0.00	
Cannabidiolic Acid (CBDA)	0.544	1.483	ND	ND	
Cannabidivarin (CBDV)	0.125	0.342	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.227	0.619	ND	ND	
Cannabigerol (CBG)	0.087	0.309	ND	ND	
Cannabigerolic Acid (CBGA)	0.365	1.292	ND	ND	
Cannabinol (CBN)	0.114	0.403	ND	ND	
Cannabinolic Acid (CBNA)	0.249	0.881	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.435	1.539	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.395	1.397	4.890	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.350	1.238	ND	ND	
Tetrahydrocannabivarin (THCV)	0.079	0.281	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.309	1.092	ND	ND	
Total Cannabinoids			**14.650**	**0.00**	
Total Potential THC			4.890	0.00	
Total Potential CBD			9.760	0.00	

Final Approval

Sam Smith
06Jun2023
01:04:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
06Jun2023
01:06:00 PM MDT
APPROVED BY / DATE

Heavy Metals

Test ID: T000245699
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 5.04	ND	
Cadmium	0.05 - 5.01	ND	
Mercury	0.05 - 4.88	ND	
Lead	0.05 - 5.05	ND	

Final Approval

Sam Smith
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Karen Winternheimer
07Jun2023
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Pesticides

Test ID: T000245698
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	331 - 2619	ND	Malathion	280 - 2712	ND
Acephate	40 - 2714	ND	Metalaxyl	42 - 2714	ND
Acetamiprid	40 - 2702	ND	Methiocarb	42 - 2645	ND
Azoxystrobin	46 - 2711	ND	Methomyl	41 - 2736	ND
Bifenazate	42 - 2692	ND	MGK 264 1	174 - 1684	ND
Boscalid	41 - 2623	ND	MGK 264 2	107 - 1086	ND
Carbaryl	39 - 2708	ND	Myclobutanil	47 - 2661	ND
Carbofuran	42 - 2712	ND	Naled	40 - 2731	ND
Chlorantraniliprole	42 - 2644	ND	Oxamyl	41 - 2722	ND
Chlorpyrifos	44 - 2683	ND	Paclobutrazol	41 - 2712	ND
Clofentezine	279 - 2741	ND	Permethrin	308 - 2721	ND
Diazinon	282 - 2710	ND	Phosmet	47 - 2707	ND
Dichlorvos	268 - 2731	ND	Prophos	294 - 2641	ND
Dimethoate	42 - 2690	ND	Propoxur	42 - 2703	ND
E-Fenpyroximate	281 - 2706	ND	Pyridaben	288 - 2659	ND
Etofenprox	42 - 2618	ND	Spinosad A	30 - 2082	ND
Etoxazole	291 - 2665	ND	Spinosad D	62 - 654	ND
Fenoxycarb	31 - 2764	ND	Spiromesifen	252 - 2670	ND
Fipronil	45 - 2634	ND	Spirotetramat	270 - 2756	ND
Flonicamid	55 - 2716	ND	Spiroxamine 1	18 - 1158	ND
Fludioxonil	273 - 2638	ND	Spiroxamine 2	22 - 1479	ND
Hexythiazox	35 - 2731	ND	Tebuconazole	265 - 2723	ND
Imazalil	280 - 2760	ND	Thiacloprid	42 - 2694	ND
Imidacloprid	36 - 2711	ND	Thiamethoxam	41 - 2745	ND
Kresoxim-methyl	46 - 2763	ND	Trifloxystrobin	44 - 2702	ND

Final Approval

Samantha Smith
Sam Smith
09Jun2023
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K Winternheimer
Karen Winternheimer
09Jun2023
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Residual Solvents

Test ID: T000245700
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	103 - 2060	ND	
Butanes (Isobutane, n-Butane)	188 - 3759	ND	
Methanol	55 - 1102	ND	
Pentane	84 - 1678	ND	
Ethanol	96 - 1910	ND	
Acetone	89 - 1773	ND	
Isopropyl Alcohol	97 - 1936	ND	
Hexane	5 - 102	ND	
Ethyl Acetate	89 - 1786	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	91 - 1828	ND	
Toluene	16 - 329	ND	
Xylenes (m,p,o-Xylenes)	126 - 2523	ND	

Final Approval

Sam Smith
09Jun2023
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Karen Winternheimer
09Jun2023
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https://results.botanacor.com/api/v1/coas/uuid/5600bba5-c0de-4201-a4dc-e12323872668

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 *(0.877)) and Total CBD = CBD + (CBDa *(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 *(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.

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