SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Higher Vibes Pineapple Orange

Prepared for:
North Brands LLC

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
NCC0025	Various	Unit	
Reported:	Started:	Received:	
17Aug2023	17Aug2023	17Aug2023	

Cannabinoids

Test ID: T000253004
Methods: TM14 (HPLC-DAD)

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.212	0.485	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.194	0.444	ND	ND	
Cannabidiol (CBD)	0.581	1.348	10.030	0.00	
Cannabidiolic Acid (CBDA)	0.596	1.383	ND	ND	
Cannabidivarin (CBDV)	0.137	0.319	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.249	0.577	ND	ND	
Cannabigerol (CBG)	0.121	0.276	ND	ND	
Cannabigerolic Acid (CBGA)	0.504	1.152	ND	ND	
Cannabinol (CBN)	0.157	0.360	ND	ND	
Cannabinolic Acid (CBNA)	0.344	0.786	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.601	1.373	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.546	1.247	5.370	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.483	1.104	ND	ND	
Tetrahydrocannabivarin (THCV)	0.110	0.251	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.426	0.974	ND	ND	
Total Cannabinoids			**15.400**	**0.00**	
Total Potential THC			5.370	0.00	
Total Potential CBD			10.030	0.00	

Final Approval

Sam Smith
17Aug2023
03:57:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
17Aug2023
04:00:00 PM MDT
APPROVED BY / DATE

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Pesticides

Test ID: T000253005
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	202 - 2627	ND	Malathion	282 - 2763	ND
Acephate	44 - 2777	ND	Metalaxyl	44 - 2750	ND
Acetamiprid	41 - 2668	ND	Methiocarb	45 - 2694	ND
Azoxystrobin	45 - 2726	ND	Methomyl	41 - 2701	ND
Bifenazate	43 - 2720	ND	MGK 264 1	174 - 1643	ND
Boscalid	44 - 2702	ND	MGK 264 2	105 - 1078	ND
Carbaryl	39 - 2721	ND	Myclobutanil	54 - 2664	ND
Carbofuran	42 - 2717	ND	Naled	45 - 2741	ND
Chlorantraniliprole	43 - 2673	ND	Oxamyl	43 - 2702	ND
Chlorpyrifos	47 - 2827	ND	Paclobutrazol	45 - 2714	ND
Clofentezine	276 - 2738	ND	Permethrin	285 - 2790	ND
Diazinon	286 - 2754	ND	Phosmet	40 - 2734	ND
Dichlorvos	273 - 2719	ND	Prophos	294 - 2642	ND
Dimethoate	42 - 2677	ND	Propoxur	41 - 2700	ND
E-Fenpyroximate	293 - 2807	ND	Pyridaben	296 - 2749	ND
Etofenprox	42 - 2713	ND	Spinosad A	32 - 2098	ND
Etoxazole	292 - 2764	ND	Spinosad D	63 - 686	ND
Fenoxycarb	41 - 2710	ND	Spiromesifen	278 - 2783	ND
Fipronil	75 - 2626	ND	Spirotetramat	283 - 2754	ND
Flonicamid	48 - 2664	ND	Spiroxamine 1	17 - 1139	ND
Fludioxonil	307 - 2676	ND	Spiroxamine 2	21 - 1531	ND
Hexythiazox	40 - 2769	ND	Tebuconazole	289 - 2738	ND
Imazalil	271 - 2791	ND	Thiacloprid	44 - 2650	ND
Imidacloprid	51 - 2714	ND	Thiamethoxam	43 - 2706	ND
Kresoxim-methyl	47 - 2741	ND	Trifloxystrobin	44 - 2695	ND

Final Approval

Karen Winternheimer
18Aug2023
11:06:00 AM MDT
PREPARED BY / DATE

Sam Smith
18Aug2023
11:10:00 AM MDT
APPROVED BY / DATE

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Residual Solvents

Test ID: T000253007
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	89 - 1782	ND	
Butanes (Isobutane, n-Butane)	179 - 3590	ND	
Methanol	55 - 1090	ND	
Pentane	91 - 1818	ND	
Ethanol	87 - 1744	ND	
Acetone	90 - 1807	ND	
Isopropyl Alcohol	91 - 1816	ND	
Hexane	5 - 110	ND	
Ethyl Acetate	90 - 1808	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	91 - 1816	ND	
Toluene	16 - 320	ND	
Xylenes (m,p,o-Xylenes)	114 - 2284	ND	

Final Approval


Karen Winternheimer
22Aug2023
03:26:00 PM MDT
PREPARED BY / DATE


Sam Smith
22Aug2023
03:29:00 PM MDT
APPROVED BY / DATE

Heavy Metals

Test ID: T000253006
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 4.78	ND	
Cadmium	0.05 - 4.78	ND	
Mercury	0.05 - 4.75	ND	
Lead	0.05 - 4.85	ND	

Final Approval


Sam Smith
23Aug2023
02:56:00 PM MDT
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Karen Winternheimer
23Aug2023
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https://results.botanacor.com/api/v1/coas/uuid/4f8cf390-8e3e-4655-b3a0-ff25c4bbfc7c

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.

Cert #4329.02
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