

Prepared for:
North Brands LLC

Vibes Pineapple Orange

Batch ID or Lot Number: NCC0040	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: 04Oct2023	Started: 04Oct2023	Received: 04Oct2023	


Cannabinoids


Test ID: T000258087

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.166	0.517	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.152	0.473	ND	ND	
Cannabidiol (CBD)	0.500	1.326	4.680	0.00	
Cannabidiolic Acid (CBDA)	0.513	1.360	ND	ND	
Cannabidivarin (CBDV)	0.118	0.314	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.214	0.567	ND	ND	
Cannabigerol (CBG)	0.094	0.293	ND	ND	
Cannabigerolic Acid (CBGA)	0.394	1.226	ND	ND	
Cannabinol (CBN)	0.123	0.383	ND	ND	
Cannabinolic Acid (CBNA)	0.269	0.837	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.470	1.461	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.427	1.327	2.660	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.378	1.175	ND	ND	
Tetrahydrocannabivarin (THCV)	0.086	0.267	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.334	1.037	ND	ND	
Total Cannabinoids			7.340	0.00	
Total Potential THC			2.660	0.00	
Total Potential CBD			4.680	0.00	

Final Approval


 Sam Smith
 04Oct2023
 12:30:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 04Oct2023
 12:38:00 PM MDT
 APPROVED BY / DATE

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Residual Solvents

Test ID: T000258091
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1843	ND	
Butanes (Isobutane, n-Butane)	189 - 3783	ND	
Methanol	61 - 1228	ND	
Pentane	96 - 1913	ND	
Ethanol	98 - 1962	ND	
Acetone	98 - 1952	ND	
Isopropyl Alcohol	102 - 2040	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	98 - 1967	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	99 - 1981	ND	
Toluene	18 - 351	ND	
Xylenes (m,p,o-Xylenes)	129 - 2574	ND	

Final Approval


Karen Winternheimer
05Oct2023
01:58:00 PM MDT
PREPARED BY / DATE



Sam Smith
05Oct2023
02:01:00 PM MDT
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Heavy Metals

Test ID: T000258090
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.60	ND	
Cadmium	0.05 - 4.72	ND	
Mercury	0.05 - 4.68	ND	
Lead	0.05 - 4.65	ND	

Final Approval


Sam Smith
05Oct2023
02:08:00 PM MDT
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Karen Winternheimer
05Oct2023
02:12:00 PM MDT
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Microbial Contaminants

Test ID: T000258089

Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval


Eden Thompson-Wright
07Oct2023
12:29:00 PM MDT
PREPARED BY / DATE


Brianne Maillot
09Oct2023
11:18:00 AM MDT
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North Brands LLC

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Pesticides

Test ID: T000258088

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	280 - 2649	ND		Malathion	286 - 2705	ND
Acephate	40 - 2832	ND		Metalaxyl	43 - 2672	ND
Acetamiprid	42 - 2782	ND		Methiocarb	42 - 2673	ND
Azoxystrobin	46 - 2660	ND		Methomyl	39 - 2801	ND
Bifenazate	43 - 2596	ND		MGK 264 1	155 - 1660	ND
Boscalid	51 - 2622	ND		MGK 264 2	103 - 1084	ND
Carbaryl	41 - 2737	ND		Myclobutanil	69 - 2593	ND
Carbofuran	43 - 2716	ND		Naled	43 - 2743	ND
Chlorantraniliprole	49 - 2658	ND		Oxamyl	41 - 2797	ND
Chlorpyrifos	49 - 2747	ND		Paclobutrazol	48 - 2646	ND
Clofentezine	283 - 2777	ND		Permethrin	278 - 2784	ND
Diazinon	283 - 2672	ND		Phosmet	48 - 2613	ND
Dichlorvos	280 - 2807	ND		Prophos	296 - 2664	ND
Dimethoate	42 - 2752	ND		Propoxur	42 - 2749	ND
E-Fenpyroximate	288 - 2745	ND		Pyridaben	285 - 2739	ND
Etofenprox	43 - 2747	ND		Spinosad A	32 - 2094	ND
Etoazole	282 - 2718	ND		Spinosad D	64 - 662	ND
Fenoxycarb	39 - 2613	ND		Spiromesifen	261 - 2758	ND
Fipronil	56 - 2671	ND		Spirotetramat	303 - 2657	ND
Flonicamid	54 - 2787	ND		Spiroxamine 1	18 - 1176	ND
Fludioxonil	309 - 2640	ND		Spiroxamine 2	23 - 1496	ND
Hexythiazox	44 - 2768	ND		Tebuconazole	269 - 2646	ND
Imazalil	272 - 2688	ND		Thiacloprid	42 - 2755	ND
Imidacloprid	37 - 2824	ND		Thiamethoxam	42 - 2767	ND
Kresoxim-methyl	47 - 2721	ND		Trifloxystrobin	44 - 2708	ND

Final Approval


 Sam Smith
 12Oct2023
 09:03:00 AM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 12Oct2023
 09:06:00 AM MDT
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/0e00acf7-1438-4cb3-852a-7ad8cb50a34d>

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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. 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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