

Prepared for:
North Brands LLC

North High Tonics Blood Orange Mango

Batch ID or Lot Number: NCC1007	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 3
Reported: 26Jan2024	Started: 26Jan2024	Received: 26Jan2024	


Cannabinoids

Test ID: T000268894

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.152	0.520	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.139	0.475	ND	ND	
Cannabidiol (CBD)	0.480	1.495	ND	ND	
Cannabidiolic Acid (CBDA)	0.492	1.533	ND	ND	
Cannabidivarin (CBDV)	0.113	0.354	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.205	0.640	ND	ND	
Cannabigerol (CBG)	0.086	0.295	ND	ND	
Cannabigerolic Acid (CBGA)	0.360	1.234	ND	ND	
Cannabinol (CBN)	0.112	0.385	ND	ND	
Cannabinolic Acid (CBNA)	0.246	0.842	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.429	1.470	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.389	1.335	10.540	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.345	1.183	ND	ND	
Tetrahydrocannabivarin (THCV)	0.078	0.268	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.304	1.043	ND	ND	
Total Cannabinoids			10.540	0.00	
Total Potential THC			10.540	0.00	
Total Potential CBD			ND	ND	

Final Approval


Sam Smith
27Jan2024
05:32:00 PM MST
PREPARED BY / DATE


Karen Winternheimer
27Jan2024
05:33:00 PM MST
APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000268895
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

 Brianne Maillot 29Jan2024 02:11:00 PM MST	 Eden Thompson-Wright 29Jan2024 03:10:00 PM MST
PREPARED BY / DATE	APPROVED BY / DATE

Heavy Metals

Test ID: T000268896
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.40	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.63	ND	
Lead	0.05 - 4.55	ND	

Final Approval

 Sam Smith 30Jan2024 02:10:00 PM MST	 Karen Winternheimer 31Jan2024 08:39:00 AM MST
PREPARED BY / DATE	APPROVED BY / DATE

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Residual Solvents

Test ID: T000268897


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1611	ND	
Butanes (Isobutane, n-Butane)	171 - 3422	ND	
Methanol	58 - 1166	ND	
Pentane	80 - 1595	ND	
Ethanol	83 - 1654	ND	
Acetone	92 - 1847	ND	
Isopropyl Alcohol	97 - 1945	ND	
Hexane	6 - 115	ND	
Ethyl Acetate	96 - 1912	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	89 - 1786	ND	
Toluene	17 - 334	ND	
Xylenes (m,p,o-Xylenes)	120 - 2406	ND	

Final Approval


K Winternheimer
PREPARED BY / DATE

Karen Winternheimer
31Jan2024
11:29:00 AM MST


Samantha Smith
APPROVED BY / DATE

Sam Smith
31Jan2024
11:31:00 AM MST



<https://results.botanacor.com/api/v1/coas/uuid/fb843220-6e1a-40bb-983c-3e9588d8cbf1>

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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