SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Higher Vibes Blackberry Mango

Prepared for:
North Brands LLC

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
NCC0030	Various	Unit	
Reported:	**Started:**	**Received:**	
01Sep2023	01Sep2023	01Sep2023	

Cannabinoids

Test ID: T000254950
Methods: TM14 (HPLC-DAD)

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.219	0.498	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.200	0.456	ND	ND	
Cannabidiol (CBD)	0.572	1.308	10.770	0.00	
Cannabidiolic Acid (CBDA)	0.587	1.342	ND	ND	
Cannabidivarin (CBDV)	0.135	0.309	ND	0.00	
Cannabidivarinic Acid (CBDVA)	0.245	0.560	ND	ND	
Cannabigerol (CBG)	0.124	0.283	ND	ND	
Cannabigerolic Acid (CBGA)	0.520	1.182	ND	ND	
Cannabinol (CBN)	0.162	0.369	ND	ND	
Cannabinolic Acid (CBNA)	0.355	0.807	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.619	1.409	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.563	1.279	5.580	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.498	1.134	ND	ND	
Tetrahydrocannabivarin (THCV)	0.113	0.257	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.440	1.000	ND	ND	
Total Cannabinoids			**16.350**	**0.00**	
Total Potential THC			5.580	0.00	
Total Potential CBD			10.770	0.00	

Final Approval

Sam Smith
01Sep2023
02:17:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
01Sep2023
02:19:00 PM MDT
APPROVED BY / DATE

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Residual Solvents

Test ID: T000254953
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	97 - 1941	ND	
Butanes (Isobutane, n-Butane)	197 - 3934	ND	
Methanol	62 - 1233	ND	
Pentane	99 - 1982	ND	
Ethanol	97 - 1948	ND	
Acetone	101 - 2014	ND	
Isopropyl Alcohol	103 - 2067	ND	
Hexane	6 - 121	ND	
Ethyl Acetate	101 - 2027	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	102 - 2044	ND	
Toluene	18 - 368	ND	
Xylenes (m,p,o-Xylenes)	137 - 2742	ND	

Final Approval

Karen Winternheimer
05Sep2023
03:04:00 PM MDT
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Sam Smith
05Sep2023
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Pesticides

Test ID: T000254951
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	419 - 2744	ND	Malathion	294 - 2709	ND
Acephate	44 - 2757	ND	Metalaxyl	42 - 2719	ND
Acetamiprid	41 - 2752	ND	Methiocarb	43 - 2687	ND
Azoxystrobin	48 - 2701	ND	Methomyl	41 - 2778	ND
Bifenazate	44 - 2732	ND	MGK 264 1	170 - 1674	ND
Boscalid	39 - 2669	ND	MGK 264 2	109 - 1077	ND
Carbaryl	42 - 2729	ND	Myclobutanil	41 - 2563	ND
Carbofuran	43 - 2709	ND	Naled	40 - 2752	ND
Chlorantraniliprole	44 - 2684	ND	Oxamyl	41 - 2784	ND
Chlorpyrifos	44 - 2780	ND	Paclobutrazol	44 - 2727	ND
Clofentezine	279 - 2751	ND	Permethrin	274 - 2728	ND
Diazinon	288 - 2747	ND	Phosmet	44 - 2714	ND
Dichlorvos	276 - 2790	ND	Prophos	303 - 2652	ND
Dimethoate	42 - 2751	ND	Propoxur	44 - 2720	ND
E-Fenpyroximate	298 - 2805	ND	Pyridaben	299 - 2785	ND
Etofenprox	44 - 2754	ND	Spinosad A	31 - 2097	ND
Etoxazole	306 - 2771	ND	Spinosad D	66 - 682	ND
Fenoxycarb	28 - 2741	ND	Spiromesifen	294 - 2758	ND
Fipronil	54 - 2679	ND	Spirotetramat	276 - 2734	ND
Flonicamid	46 - 2810	ND	Spiroxamine 1	18 - 1178	ND
Fludioxonil	275 - 2643	ND	Spiroxamine 2	23 - 1491	ND
Hexythiazox	43 - 2787	ND	Tebuconazole	291 - 2783	ND
Imazalil	282 - 2751	ND	Thiacloprid	42 - 2731	ND
Imidacloprid	42 - 2806	ND	Thiamethoxam	41 - 2792	ND
Kresoxim-methyl	46 - 2755	ND	Trifloxystrobin	44 - 2700	ND

Final Approval

Karen Winternheimer
07Sep2023
09:17:00 AM MDT
PREPARED BY / DATE

Sam Smith
07Sep2023
09:19:00 AM MDT
APPROVED BY / DATE

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Heavy Metals

Test ID: T000254952
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.34	ND	
Cadmium	0.04 - 4.33	ND	
Mercury	0.04 - 4.37	ND	
Lead	0.04 - 4.44	ND	

Final Approval

Sam Smith
08Sep2023
08:29:00 AM MDT
PREPARED BY / DATE

Karen Winternheimer
08Sep2023
08:33:00 AM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/6bb3faaf-51c5-4fc9-94de-66ea3739a2a4

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
6bb3faaf51c54fc994de66ea3739a2a4.1

MINNESOTA VALLEY TESTING LABORATORIES, INC.

MVTL

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 E. Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
1201 Lincoln Highway ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com

MEMBER ACIL

CERTIFICATE OF ANALYSIS

BRANDON SAVELA
NORTH BRANDS LLC
2913 CHEROKEE PL
GOLDEN VALLEY MN 55422

Report Date: 17 Sep 2023
Work Order #: 31193
Account #: 71471
PO #: CREDIT CARD
Date Received: 12 Sep 2023
Date Submitted: 8 Sep 2023
Temperature at Receipt: AMBIENT

		As Received Result		Method Reference	Date Analyzed
23-M159673	**HIGHER VIBES RASPBERRY LEMON- NCC0031**			**Time Sampled: 15:00**	
Aerobic Plate Count		< 1	CFU/mL	BAM Ch 3 Conv Plate Count	12 Sep 23
Mold Count		< 1	CFU/mL	BAM 8th Ed	12 Sep 23
Yeast Count		< 1	CFU/mL	BAM 8th Ed	12 Sep 23
23-M159674	**HIGHER VIBES BLACKBERRY MANGO- NCC0030**			**Time Sampled: 15:00**	
Aerobic Plate Count		< 1	CFU/mL	BAM Ch 3 Conv Plate Count	12 Sep 23
Mold Count		< 1	CFU/mL	BAM 8th Ed	12 Sep 23
Yeast Count		< 1	CFU/mL	BAM 8th Ed	12 Sep 23

CFU = Colony Forming Units

Approved by:

Sarah Garza, Microbiology Lab Manager New Ulm, MN