

Prepared for:
HIMIKO ORGANICS LLC
4348 WAIALAE AVE UNIT 924
Honolulu, HI USA 96816

1oz 1000mg CBD Salve

Batch ID or Lot Number: 01302023	Test: Potency	Reported: 07Feb2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000234257	Started: 03Feb2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 02Feb2023	Status: N/A

Cannabinoids

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.020	0.057	ND	ND	
Cannabichromenic Acid (CBCA)	0.019	0.052	ND	ND	
Cannabidiol (CBD)	0.054	0.157	4.210	42.10	
Cannabidiolic Acid (CBDA)	0.055	0.161	ND	ND	
Cannabidivarin (CBDV)	0.013	0.037	0.070	0.70	
Cannabidivarinic Acid (CBDVA)	0.023	0.067	ND	ND	
Cannabigerol (CBG)	0.011	0.032	ND	ND	
Cannabigerolic Acid (CBGA)	0.048	0.135	ND	ND	
Cannabinol (CBN)	0.015	0.042	ND	ND	
Cannabinolic Acid (CBNA)	0.033	0.092	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.057	0.161	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.052	0.146	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.046	0.129	ND	ND	
Tetrahydrocannabivarin (THCV)	0.010	0.029	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.041	0.114	ND	ND	
Total Cannabinoids			4.280	42.80	
Total Potential THC			ND	ND	
Total Potential CBD			4.210	42.10	

Final Approval


Sam Smith
07Feb2023
11:17:00 AM MST

PREPARED BY / DATE


Karen Winternheimer
07Feb2023
11:26:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/88944838-13e6-45f0-a2be-bdd1feb467a4>

Definitions
% = % (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)).

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Cert #4329.02
8894483813e645f0a2bebdd1feb467a4.1

Prepared for:
HIMIKO ORGANICS LLC
4348 WAIALAE AVE UNIT 924
Honolulu, HI USA 96816

1oz 1000mg CBD Salve

Batch ID or Lot Number: 01302023	Test: Microbial Contaminants	Reported: 07Feb2023	USDA License: NA
Matrix: Finished Product	Test ID: T000234260	Started: 03Feb2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 02Feb2023	Status: NA

Microbial Contaminants

Contaminants	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



Brett Hudson
06Feb2023
04:33:00 PM MST

PREPARED BY / DATE



Eden Thompson-Wright
07Feb2023
09:26:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/e55f4d23-edf0-4053-b415-801463d56836>

Definitions

* 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
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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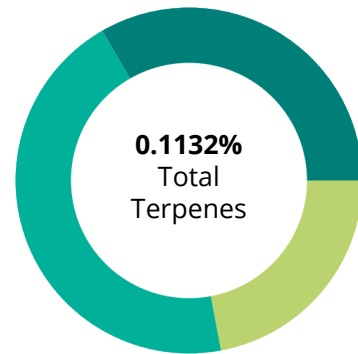
Prepared for:
HIMIKO ORGANICS LLC
4348 WAIALAE AVE UNIT 924
Honolulu, HI USA 96816

1oz 1000mg CBD Salve

Batch ID or Lot Number: 01302023	Test: Terpenes	Reported: 09Feb2023	USDA License: NA
Matrix: Topical	Test ID: T000234258	Started: 08Feb2023	Sampler ID: NA
	Method(s): TM22 (GC-MS)	Received: 02Feb2023	Status: NA

Terpenes

Terpenes	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0000	0.0000
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0118	0.118
beta-Myrcene	0.0158	0.158
beta-Ocimene	0.0217	0.217
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0078	0.078
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0459	0.459
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0000	0.0000
Ocimene	0.0051	0.051
p-Cymene	0.0032	0.032
Terpinolene	0.0019	0.019
trans-Nerolidol	0.0000	0.0000
0.1132	1.1320	



PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0000
(-)-beta-Pinene	0.0000
alpha-Humulene	0.0000
alpha-Pinene	0.0000
alpha-Terpinene	0.0000
beta-Caryophyllene	0.0118
beta-Myrcene	0.0158
d-Limonene	0.0078
delta-3-Carene	0.0000
Linalool	0.0000


Notes

Final Approval



PREPARED BY / DATE

Karen Winternheimer
09Feb2023
01:38:00 PM MST



APPROVED BY / DATE

Sam Smith
09Feb2023
01:42:00 PM MST



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Prepared for:
HIMIKO ORGANICS LLC
4348 WAIALAE AVE UNIT 924
Honolulu, HI USA 96816


1oz 1000mg CBD Salve

Batch ID or Lot Number: 01302023	Test: Residual Solvents	Reported: 06Feb2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000234262	Started: 06Feb2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 02Feb2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1836	ND	
Butanes (Isobutane, n-Butane)	190 - 3802	ND	
Methanol	61 - 1219	ND	
Pentane	97 - 1936	ND	
Ethanol	98 - 1954	ND	
Acetone	98 - 1957	ND	
Isopropyl Alcohol	103 - 2063	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	99 - 1975	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	99 - 1989	ND	
Toluene	18 - 358	ND	
Xylenes (m,p,o-Xylenes)	132 - 2644	ND	

Final Approval


Sam Smith
06Feb2023
12:43:00 PM MST
PREPARED BY / DATE


Karen Winternheimer
06Feb2023
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APPROVED BY / DATE



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Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
HIMIKO ORGANICS LLC
4348 WAIALAE AVE UNIT 924
Honolulu, HI USA 96816


1oz 1000mg CBD Salve

Batch ID or Lot Number: 01302023	Test: Heavy Metals	Reported: 08Feb2023	USDA License: NA
Matrix: Unit	Test ID: T000234261	Started: 06Feb2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 02Feb2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.06 - 6.39	ND	
Cadmium	0.06 - 6.33	ND	
Mercury	0.06 - 6.29	ND	
Lead	0.06 - 6.26	ND	

Final Approval


PREPARED BY / DATE
Sam Smith
08Feb2023
02:07:00 PM MST


APPROVED BY / DATE
Karen Winternheimer
08Feb2023
02:12:00 PM MST



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Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
HIMIKO ORGANICS LLC
4348 WAIALAE AVE UNIT 924
Honolulu, HI USA 96816


1oz 1000mg CBD Salve

Batch ID or Lot Number: 01302023	Test: Mycotoxins	Reported: 09Feb2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000234263	Started: 08Feb2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 02Feb2023	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.13 - 128.71	ND	N/A
Aflatoxin B1	1.09 - 33.21	ND	
Aflatoxin B2	1.02 - 33.44	ND	
Aflatoxin G1	1.16 - 33.74	ND	
Aflatoxin G2	1.19 - 33.80	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


PREPARED BY / DATE
Sam Smith
09Feb2023
11:30:00 AM MST


APPROVED BY / DATE
Karen Winternheimer
09Feb2023
11:33:00 AM MST



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Definitions
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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
HIMIKO ORGANICS LLC
4348 WAIALAE AVE UNIT 924
Honolulu, HI USA 96816

1oz 1000mg CBD Salve

Batch ID or Lot Number: 01302023	Test: Pesticides	Reported: 10Feb2023	USDA License: NA
Matrix: Concentrate	Test ID: T000234259	Started: 08Feb2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 02Feb2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	358 - 2647	ND	Malathion	280 - 2717	ND
Acephate	42 - 2759	ND	Metalaxyl	46 - 2718	ND
Acetamiprid	43 - 2753	ND	Methiocarb	41 - 2688	ND
Azoxystrobin	44 - 2729	ND	Methomyl	43 - 2762	ND
Bifenazate	43 - 2722	ND	MGK 264 1	154 - 1645	ND
Boscalid	45 - 2744	ND	MGK 264 2	116 - 1140	ND
Carbaryl	43 - 2719	ND	Myclobutanil	45 - 2763	ND
Carbofuran	44 - 2734	ND	Naled	43 - 2762	ND
Chlorantraniliprole	43 - 2726	ND	Oxamyl	41 - 2766	ND
Chlorpyrifos	53 - 2824	ND	Pacllobutrazol	40 - 2726	ND
Clofentezine	275 - 2769	ND	Permethrin	313 - 2795	ND
Diazinon	292 - 2733	ND	Phosmet	44 - 2709	ND
Dichlorvos	275 - 2786	ND	Prophos	312 - 2672	ND
Dimethoate	41 - 2737	ND	Propoxur	41 - 2724	ND
E-Fenpyroximate	293 - 2797	ND	Pyridaben	313 - 2786	ND
Etofenprox	41 - 2790	ND	Spinosad A	35 - 2253	ND
Etoxazole	309 - 2762	ND	Spinosad D	52 - 508	ND
Fenoxycarb	47 - 2690	ND	Spiromesifen	292 - 2770	ND
Fipronil	56 - 2762	ND	Spirotetramat	274 - 2731	ND
Flonicamid	43 - 2825	ND	Spiroxamine 1	16 - 1206	ND
Fludioxonil	318 - 2756	ND	Spiroxamine 2	21 - 1539	ND
Hexythiazox	45 - 2799	ND	Tebuconazole	277 - 2724	ND
Imazalil	288 - 2739	ND	Thiacloprid	44 - 2774	ND
Imidacloprid	41 - 2755	ND	Thiamethoxam	42 - 2785	ND
Kresoxim-methyl	23 - 2807	ND	Trifloxystrobin	44 - 2758	ND

Final Approval



Karen Winternheimer
10Feb2023
06:26:00 AM MST

PREPARED BY / DATE



Sam Smith
10Feb2023
06:29:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/2a7a2d73-f972-4e30-8eb4-945e39c6209f>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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