

Prepared for:
Vital Planet

133 Candy Lane
Palm Harbor, FL USA 34683

Organic 1500mg/oz FS Pet Tincture

Batch ID or Lot Number: 0545593-97	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 4
Reported: 07Apr2023	Started: 06Apr2023	Received: 05Apr2023	

Heavy Metals

Test ID: T000240669
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.11	ND	
Cadmium	0.04 - 4.27	ND	
Mercury	0.04 - 4.16	ND	
Lead	0.04 - 4.17	ND	



Final Approval

Samantha Smith
Sam Smith
07Apr2023
03:09:00 PM MDT

PREPARED BY / DATE

K Winterheimer
Karen Winterheimer
07Apr2023
03:11:00 PM MDT

APPROVED BY / DATE

Cannabinoids

Test ID: T000240665
Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.863	4.739	58.100	2.10	# of Servings = 1, Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.704	4.335	ND	ND	
Cannabidiol (CBD)	5.178	12.604	1532.430	54.70	
Cannabidiolic Acid (CBDA)	5.311	12.927	<LOQ	<LOQ	
Cannabidivarin (CBDV)	1.225	2.981	5.210	0.20	
Cannabidivarinic Acid (CBDVA)	2.215	5.393	ND	ND	
Cannabigerol (CBG)	1.058	2.691	44.400	1.60	
Cannabigerolic Acid (CBGA)	4.421	11.249	ND	ND	
Cannabinol (CBN)	1.380	3.510	ND	ND	
Cannabinolic Acid (CBNA)	3.016	7.675	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	5.267	13.402	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.783	12.171	66.890	2.40	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	4.238	10.784	ND	ND	
Tetrahydrocannabivarin (THCV)	0.962	2.448	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	3.738	9.512	ND	ND	
Total Cannabinoids			1707.030	61.00	
Total Potential THC			66.890	2.40	
Total Potential CBD			1532.430	54.70	

Final Approval

K Winterheimer
Karen Winterheimer
10Apr2023
10:03:00 AM MDT

PREPARED BY / DATE

Samantha Smith
Sam Smith
10Apr2023
10:04:00 AM MDT

APPROVED BY / DATE

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Palm Harbor, FL USA 34683

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Pesticides


Test ID: T000240667

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	382 - 2811	ND		Malathion	293 - 2714	ND
Acephate	37 - 2762	ND		Metalaxyl	43 - 2733	ND
Acetamiprid	42 - 2735	ND		Methiocarb	42 - 2732	ND
Azoxystrobin	42 - 2738	ND		Methomyl	40 - 2755	ND
Bifenazate	40 - 2715	ND		MGK 264 1	168 - 1617	ND
Boscalid	43 - 2784	ND		MGK 264 2	134 - 1131	ND
Carbaryl	42 - 2710	ND		Myclobutanil	48 - 2792	ND
Carbofuran	43 - 2720	ND		Naled	49 - 2788	ND
Chlorantraniliprole	37 - 2746	ND		Oxamyl	40 - 2775	ND
Chlorpyrifos	46 - 2778	ND		Paclobutrazol	46 - 2721	ND
Clofentezine	269 - 2773	ND		Permethrin	306 - 2775	ND
Diazinon	282 - 2754	ND		Phosmet	41 - 2765	ND
Dichlorvos	296 - 2724	ND		Prophos	289 - 2725	ND
Dimethoate	43 - 2747	ND		Propoxur	41 - 2729	ND
E-Fenpyroximate	291 - 2794	ND		Pyridaben	300 - 2826	ND
Etofenprox	43 - 2836	ND		Spinosad A	34 - 2246	ND
Etoxazole	294 - 2770	ND		Spinosad D	50 - 512	ND
Fenoxycarb	39 - 2742	ND		Spiromesifen	266 - 2783	ND
Fipronil	35 - 2930	ND		Spirotetramat	274 - 2762	ND
Flonicamid	47 - 2779	ND		Spiroxamine 1	18 - 1189	ND
Fludioxonil	277 - 2816	ND		Spiroxamine 2	25 - 1577	ND
Hexythiazox	44 - 2808	ND		Tebuconazole	283 - 2715	ND
Imazalil	279 - 2726	ND		Thiacloprid	44 - 2755	ND
Imidacloprid	48 - 2748	ND		Thiamethoxam	43 - 2798	ND
Kresoxim-methyl	25 - 2800	ND		Trifloxystrobin	43 - 2770	ND

Final Approval


Karen Winternheimer
07Apr2023
11:15:00 AM MDT
PREPARED BY / DATE


Sam Smith
07Apr2023
11:22:00 AM MDT
APPROVED BY / DATE

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Residual Solvents


Test ID: T000240670

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	100 - 2000	ND	
Butanes (Isobutane, n-Butane)	209 - 4188	ND	
Methanol	62 - 1245	ND	
Pentane	105 - 2097	ND	
Ethanol	107 - 2134	143	
Acetone	102 - 2049	ND	
Isopropyl Alcohol	106 - 2120	ND	
Hexane	6 - 124	ND	
Ethyl Acetate	102 - 2046	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	105 - 2096	ND	
Toluene	19 - 373	ND	
Xylenes (m,p,o-Xylenes)	136 - 2718	ND	

Final Approval


 Karen Winternheimer
 10Apr2023
 10:55:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 10Apr2023
 10:59:00 AM MDT
 APPROVED BY / DATE

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Mycotoxins


Test ID: T000240671


Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.43 - 128.19	ND	N/A
Aflatoxin B1	1.02 - 32.51	ND	
Aflatoxin B2	0.96 - 32.35	ND	
Aflatoxin G1	1.12 - 32.21	ND	
Aflatoxin G2	1.06 - 32.71	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Samantha Smith
11Apr2023
04:26:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
11Apr2023
04:27:00 PM MDT
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/05bcd235-0ead-45e8-a75f-76bcea9f1dee>

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 Accredited by A2LA. 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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