

Prepared for:

**Vital Planet**

133 Candy Lane  
Palm Harbor, FL USA 34683

## Organic 750mg/15ml FS Pet Tincture

Batch ID or Lot Number: <b>0545598</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 4
Reported: <b>07Apr2023</b>	Started: 06Apr2023	Received: 05Apr2023	

### Heavy Metals

Test ID: T000240676

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

### Residual Solvents

Test ID: T000240677

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	102 - 2044	ND	
Butanes (Isobutane, n-Butane)	214 - 4281	ND	
Methanol	64 - 1272	ND	
Pentane	107 - 2144	ND	
Ethanol	109 - 2181	141	
Acetone	105 - 2094	ND	
Isopropyl Alcohol	108 - 2167	ND	
Hexane	6 - 127	ND	
Ethyl Acetate	105 - 2092	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	107 - 2143	ND	
Toluene	19 - 381	ND	
Xylenes (m,p,o-Xylenes)	139 - 2778	ND	

### Final Approval

*K Winterheimer*  
Karen Winterheimer  
10Apr2023  
10:55:00 AM MDT

PREPARED BY / DATE

*Samantha Smith*  
Sam Smith  
10Apr2023  
10:59:00 AM MDT

APPROVED BY / DATE

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### Pesticides


Test ID: T000240674

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

Prepared for:

**Vital Planet**

133 Candy Lane  
Palm Harbor, FL USA 34683

## Organic 750mg/15ml FS Pet Tincture

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Reported: <b>07Apr2023</b>	Started: 06Apr2023	Received: 05Apr2023	


### Cannabinoids


Test ID: T000240672

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.937	2.385	29.530	2.10	# of Servings = 1, Sample Weight=14g
Cannabichromenic Acid (CBCA)	0.857	2.181	ND	ND	
Cannabidiol (CBD)	2.605	6.341	769.050	54.90	
Cannabidiolic Acid (CBDA)	2.672	6.504	<LOQ	<LOQ	
Cannabidivarin (CBDV)	0.616	1.500	2.580	0.20	
Cannabidivarinic Acid (CBDVA)	1.115	2.713	ND	ND	
Cannabigerol (CBG)	0.532	1.354	22.350	1.60	
Cannabigerolic Acid (CBGA)	2.224	5.660	ND	ND	
Cannabinol (CBN)	0.694	1.766	ND	ND	
Cannabinolic Acid (CBNA)	1.518	3.861	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	2.650	6.743	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	2.407	6.124	33.300	2.40	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	2.132	5.426	ND	ND	
Tetrahydrocannabivarin (THCV)	0.484	1.231	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	1.881	4.786	ND	ND	
<b>Total Cannabinoids</b>			<b>856.810</b>	<b>61.20</b>	
Total Potential THC			33.300	2.40	
Total Potential CBD			769.050	54.90	

### Final Approval

  
 Karen Winternheimer  
 10Apr2023  
 10:03:00 AM MDT  
 PREPARED BY / DATE

  
 Sam Smith  
 10Apr2023  
 10:04:00 AM MDT  
 APPROVED BY / DATE

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Palm Harbor, FL USA 34683

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### Mycotoxins


Test ID: T000240678


Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.40 - 127.04	ND	N/A
Aflatoxin B1	1.01 - 32.22	ND	
Aflatoxin B2	0.95 - 32.06	ND	
Aflatoxin G1	1.11 - 31.92	ND	
Aflatoxin G2	1.05 - 32.42	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
Sam 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/1d72aec4-1cc0-43f7-838c-5cbd692686ce>

**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<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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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