111 Westport Plaza Dr. 6th Floor St. Louis, MO. 63146

Certificate of Analysis

June 15, 2020 Derma Thereal **SAFETY RESULTS** For informational purposes only.

Product Name: Immune Support Pet Spray

Manufacturer: DermaThereal

Type:Topical

Test: Non-Compliance Full-Panel

Sample ID:-S009 Sample Size: 1ml

Retail Product Size:50mg/8ml/.25oz

Ordered: 06/06/20 Sampled: 06/07/20

Completed: 06/15/20 Expires: 06/15/21

Sampling Method: SOP Client Method



PASSED

Page 1 of 5

MISC.

Pesticides Heavy Metals

Microbials

Mycotoxins

Residuals

Filth

Water Activity

Moisture

Terpenes

PASSED PASSED

PASSED

PASSED

PASSED

PASSED NOT TESTED NOT TESTED

TESTED

CANNABINOID RESULTS

Total THC 0.0% **Total CBD**

6.05mg/ml

CBD/Container: 48.40mg

Total Cannabinoids

48.40ma

Total Cannabinoids/Container: 48.40mg

CBC	CBGA	CBG	CBN	THCV	D-8 THC	CBDV	CBDA	CBD	D-9 THC	THCA
ND	ND	ND	ND	ND	ND	ND	0.05	30.25	ND	ND
mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v
										, ,
ND	ND	ND	ND	ND	ND	ND	0.01	6.05	ND	ND I
mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v	mg/v
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD I

Foreign Matter PASSED

Analyzed By Weight ID-710

25ml 06/12/20

LOD(ppm) N/A

Reviewed On - 06/15/20

Instrument Used: Filth/Foreign Material Microscope

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products.

Cannabinoid Profile Test

Extraction date Analyzed By Weight ID-710 06/07/20 5ml

Extracted By ID-710

Reviewed On - 06/15/20 Instrument Used: HPLA-1100-DAD-#01

Reagent 030520.03 Dilution 400

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV).

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C. Kukowski LAB DIRECTOR



111 Westport Plaza Dr. 6th Floor St. Louis, MO. 63146

Certificate of Analysis

Derma Thereal

Product Name: Immune Support Pet Spray

Manufacturer: DermaThereal

Type:Topical

Test: Non-Compliance Full-Panel

Sample ID:-S009 Sample Size: 1ml

Retail Product Size:157.5mg/8ml/.25oz

Ordered: 06/06/20 Sampled: 06/07/20

Completed: 06/07/20

Expires: 06/15/21

Sampling Method: SOP Client Method

D5 GG9 8

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Terpenes

	HI	gnyx

HYfdYbYg''	@C8	l b]lg"	FYgi `hfl Ł
5 @D<5!798F9B9C	0.007	%	ND
5 @D<5! <i @b9<="" ai="" th=""><th>0.007</th><th>%</th><th>ND</th></i>	0.007	%	ND
5 @D<5!D=B9B9'	0.007	%	ND
5 @D<5!H9FD=B9B9'	0.007	%	ND
69H5!AMF79B9	0.007	%	ND
69H5!D=B9B9	0.007	%	ND
6CFB9C@	0.013	%	ND
75AD<9B9	0.007	%	ND
75AD <cf< th=""><th>0.013</th><th>%</th><th>ND</th></cf<>	0.013	%	ND
75FMCD <m@@b9'cl=89'< th=""><th></th><th></th><th></th></m@@b9'cl=89'<>			
798FC@	0.007	%	ND
5 @D<5!6=G56C@C@	0.007	%	ND
G5 6 - B9 B9	0.007	%	ND
G5 6 =B9 B9 '< M8 F 5 H9	0.007	%	ND
H9 F D=B9 C @	0.007	%	ND
H9 F D=BC @ B9	0.007	%	ND
69H5!75FMCD <m@@9b9< th=""><th>0.007</th><th>%</th><th>ND</th></m@@9b9<>	0.007	%	ND
HF5 BG!B9 FC @8 C @	0.007	%	ND
J5 @ B7 9 B9 ·	0.007	%	ND
DI @9; CB9	0.007	%	ND
5 @D<5!D<9 @@5 B8 F9 B9	0.007	%	ND
C7=A9B9	0.007	%	ND
B9FC@	0.007	%	ND
@B5 @CC @	0.007	%	ND
@ACB9B9	0.007	%	ND
; I 5=C@	0.007	%	ND
; 9F5BM@579H5H9	0.007	%	ND
; 9F5B=C@	0.007	%	ND
; 5AA5!H9FD=B9B9	0.007	%	ND
: 9B7 < CB9	0.007	%	ND
: 5 FB9 G9 B9 '	0.007	%	ND
нсну.		\$.	
ILID		Ψ	

HYfdYbYg [*]	@C8	I b]lg"	FYgi `hfl Ł
91 75 @MDHC @	0.007	%	ND
=GC6 CFB9 C@	0.007	%	ND
<9L5 <m8fch<mac@< th=""><th>0.007</th><th>%</th><th>ND</th></m8fch<mac@<>	0.007	%	ND
: 9B7 < M@5 @7C < C@	0.007	%	ND
'!75F9B9	0.007	%	ND
7 =G!B9FC @8 C @	0.007	%	ND
=GCDI @9; C@	0.007	%	ND

Terpenes

H9 GH9 8

5 bU'mmYX'Vm' K Y][\h' 91 lf UWJcb'XUHY '91 lf UWYX'6 m ID-710 1.0045g 06/08/20 ID-710

FYj]Yk YX^{*}Cb - 06/15/20

⇒bglfi a Ybhl gYX. Liquid Injection GCMS QP2010

FYU[Ybhi	8]`ih]cb`	7 cbgi a g"≇8 [·]
021420.11	10	180111
012120.R13		280653964

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography – Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC/MS.

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C. Kukowski LAB DIRECTOR



111 Westport Plaza Dr. 6th Floor St. Louis, MO. 63146

Certificate of Analysis

Derma Thereal

Product Name: Immune Support Pet Spray

Manufacturer: DermaThereal

Type:Topical

Test: Non-Compliance Full-Panel

Sample ID:-S009 Sample Size: 1ml

Retail Product Size:157.5mg/8ml/.25oz

Ordered: 06/06/20 **Sampled**: 06/07/20

Completed: 06/15/20

Expires: 06/15/21 Sampling Method: SOP Client Method

PASSED

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND
ACEPHATE	0.01	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND
ACETAMIPRID	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND
BOSCALID	0.01	ppm	3	ND
CAPTAN	0.07	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND
CHLORFENAPYR	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND
COUMAPHOS	0.01	ppm	0.1	ND
CYFLUTHRIN	0.05	ppm	1	ND
CYPERMETHRIN	0.05	ppm	1	ND
DAMINOZIDE	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
DICHLORVOS	0.01	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
DIMETHOMORPH	0.02	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND
FENHEXAMID	0.01	ppm	3	ND
FENOXYCARB	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	2	ND
FIPRONIL	0.01	ppm	0.1	ND
FLONICAMID	0.01	ppm	2	ND
FLUDIOXONIL	0.01	ppm	3	ND
HEXYTHIAZOX	0.01	ppm	2	ND
IMAZALIL	0.01	ppm	0.1	ND
IMIDACLOPRID	0.04	ppm	3	ND
KRESOXIM-METHYL	0.01	ppm	1	ND
MALATHION	0.02	ppm	2	ND
METALAXYL	0.01	ppm	3	ND
METHIOCARB	0.01	ppm	0.1	ND

ŧ	Pesticides	LOD	Units	Action Level	Result
	METHOMYL	0.01	ppm	0.1	ND
	METHYL PARATHION	0.005	ppm	0.1	ND
	MEVINPHOS	0.01	ppm	0.1	ND
	MYCLOBUTANIL	0.01	ppm	3	ND
	NALED	0.025	ppm	0.5	ND
	OXAMYL	0.05	ppm	0.5	ND
	PACLOBUTRAZOL	0.01	ppm	0.1	ND
	PHOSMET	0.01	ppm	0.2	ND
	PIPERONYL BUTOXIDE	0.1	ppm	3	ND
	PRALLETHRIN	0.01	ppm	0.4	ND
	PROPICONAZOLE	0.01	ppm	1	ND
	PROPOXUR	0.01	ppm	0.1	ND
	PYRETHRINS	0.05	ppm	1	ND
	PYRIDABEN	0.02	ppm	3	ND
	SPINETORAM	0.02	ppm	3	ND
	SPIROMESIFEN	0.01	ppm	3	ND
	SPIROTETRAMAT	0.01	ppm	3	ND
	SPIROXAMINE	0.01	ppm	0.1	ND
	TEBUCONAZOLE	0.01	ppm	1	ND
	THIACLOPRID	0.01	ppm	0.1	ND
	THIAMETHOXAM	0.05	ppm	1	ND
	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	ppm	20	ND
	TOTAL PERMETHRIN	0.01	ppm	1	ND
	TOTAL SPINOSAD	0.01	ppm	3	ND
	TRIFLOXYSTROBIN	0.01	ppm	3	ND

Pesticides

PASSED

Analyzed by	Weight	Extraction date	Extracted By
ID-710	1.0501g	06/08/20	ID-710

Reviewed On - 06/15/20

Instrument Used: Liquid Injection GCMS QP2010

Reagent	Dilution	Consums. ID
013120.28	10	180111
031220.R10		280653964
032320.R17		

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C. Kukowski LAB DIRECTOR



06-15-2020

Signed On

111 Westport Plaza Dr. 6th Floor St. Louis, MO. 63146

Certificate of Analysis

Derma Thereal

Product Name: Immune Support Pet Spray

Manufacturer: DermaThereal

Type:Topical

Test: Non-Compliance Full-Panel

Sample ID:-S009

Sample Size: 1ml Retail Product Size:157.5mg/8ml/.25oz

Ordered: 06/06/20 Sampled: 06/07/20

Completed: 06/15/20 Expires: 06/15/21

Sampling Method: SOP Client Method

PASSED

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Residual solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fa	il Result
			(PPIVI)		
1,1-DICHLOROETHENE	1	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.18	ppm	2	PASS	ND
2-PROPANOL	45	ppm	500	PASS	ND
ACETONE	67.5	ppm	750	PASS	ND
ACETONITRILE	5.4	ppm	60	PASS	ND
BENZENE	0.09	ppm	1	PASS	ND
BUTANES (N-BUTANE)	96	ppm	5000	PASS	ND
CHLOROFORM	0.18	ppm	2	PASS	ND
DICHLOROMETHANE	3.75	ppm	125	PASS	ND
ETHANOL	90	ppm	000000	PASS	776.749
ETHYL ACETATE	36	ppm	400	PASS	ND
ETHYL ETHER	45	ppm	500	PASS	ND
ETHYLENE OXIDE	0.6	ppm	5	PASS	ND
HEPTANE	45	ppm	5000	PASS	ND
METHANOL	22.5	ppm	250	PASS	ND
N-HEXANE	4.5	ppm	250	PASS	ND
PENTANES (N-PENTANE)	67.5	ppm	750	PASS	ND
PROPANE	120	ppm	5000	PASS	ND
TOLUENE	13.5	ppm	150	PASS	ND
TOTAL XYLENES	13.5	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.25	ppm	25	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
ID-710	0.0294g	06/08/20	ID-710

Reviewed On - 06/15/20

Instrument Used: Headspace GCMS

Reagent	Dilution	Consums. ID
	1	00279984
		161291-1
		24154107



Signed On

111 Westport Plaza Dr. 6th Floor St. Louis, MO. 63146

Certificate of Analysis

Derma Thereal

Product Name: Immune Support Pet Spray

Manufacturer: DermaThereal

Type:Topical

Test: Non-Compliance Full-Panel

Sample ID:-S009
Sample Size: 1ml

Retail Product Size:157.5mg/8ml/.25oz

Ordered: 06/06/20 Sampled: 06/07/20

Completed: 06/15/20 Expires: 06/15/21

Sampling Method: SOP Client Method

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Mycotoxins

PASSED

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20ug/Kg.

Heavy Metals

PASSED

Reagent						
032420.R01						
031820.R03						
031820.R02						
031920.R01						
111319.02						

Dilution 50

LOD	Unit	Result	Action Level (PPM)
0.02	ppm	ND	.5
0.02	ppm	ND	0.5
0.05	ppm	ND	0.5
0.02	ppm	ND	3
	0.02 0.02 0.05	0.02 ppm 0.02 ppm 0.05 ppm	0.02 ppm ND 0.02 ppm ND 0.05 ppm ND

Microbials

PASSED

Analyte
ASPERGILLUS_FLAVUS
ASPERGILLUS_FUMIGATUS
ASPERGILLUS_NIGER
ASPERGILLUS_TERREUS
ESCHERICHIA_COLI_SHIGELLA_SPP
SALMONELLA_SPECIFIC_GENE
TOTAL_YEAST_AND_MOLD

not present in 1 gram.

Analyzed by Weight Extraction date Extracted By

ID-710 0.2808g 06/07/20 ID-710

Reviewed On - 06/15/20 Instrument Used: ICPMS-2030 B

Reviewed On - 06/15/20

Instrument Used: PathogenDX PCR_Array Scanner, PathogenDX PCR_DA-171

Analyzed by Weight

Extraction date

Extracted By

ID-710

1.0197g 06/07/20

ID-710

Reagent

Dilution

Consums. ID 181019-274

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus flumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

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