

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf

8100 Southpark Way #A3
Littleton, CO USA 80120

Equine Stress Releaf - 1500 mg

Batch ID or Lot Number: 0822ER1501	Test: Potency	Reported: 26Aug2022	USDA License: N/A
Matrix: Solution	Test ID: T000219467	Started: 26Aug2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 25Aug2022	Status: Active

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.061	0.178	2.086	2.22	Density = 0.94g/mL
Cannabichromenic Acid (CBCA)	0.056	0.163	ND	ND	
Cannabidiol (CBD)	0.137	0.450	50.809	54.05	
Cannabidiolic Acid (CBDA)	0.141	0.462	<LOQ	0.37	
Cannabidivarin (CBDV)	0.032	0.106	0.199	0.21	
Cannabidivarinic Acid (CBDVA)	0.059	0.193	ND	ND	
Cannabigerol (CBG)	0.035	0.101	0.755	0.80	
Cannabigerolic Acid (CBGA)	0.145	0.423	ND	ND	
Cannabinol (CBN)	0.045	0.132	<LOQ	0.07	
Cannabinolic Acid (CBNA)	0.099	0.288	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.173	0.504	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.157	0.458	1.644	1.75	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.139	0.405	ND	ND	
Tetrahydrocannabivarin (THCV)	0.032	0.092	<LOQ	0.04	
Tetrahydrocannabivarinic Acid (THCVA)	0.123	0.358	ND	ND	
Total Cannabinoids			55.945	59.52	
Total Potential THC			1.644	1.75	
Total Potential CBD			51.115	54.38	

Final Approval



Jacob Miller
26Aug2022
04:13:00 PM MDT

PREPARED BY / DATE



Sam Smith
26Aug2022
04:18:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/75834dba-a48f-4108-861d-60aa8d9693b9>

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)).

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.



Cert #4329.02

CDPHE Certified
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Prepared for:
Pet Releaf

8100 Southpark Way #A3
Littleton, CO USA 80120

Equine Stress Releaf - 1500 mg


Batch ID or Lot Number: 0822ER1501	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 6
Reported: 17Aug2022	Started: 16Aug2022	Received: 12Aug2022	

Mycotoxins - Colorado Compliance

Test ID: T000217532
Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.63 - 106.56	ND	N/A
Aflatoxin B1	0.90 - 27.15	ND	
Aflatoxin B2	0.87 - 27.31	ND	
Aflatoxin G1	0.95 - 27.42	ND	
Aflatoxin G2	0.98 - 27.02	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Sam Smith
17Aug2022
02:08:00 PM MDT
PREPARED BY / DATE


Jacob Miller
17Aug2022
02:10:00 PM MDT
APPROVED BY / DATE

Prepared for:

Pet Releaf

8100 Southpark Way #A3
Littleton, CO USA 80120

Equine Stress Releaf - 1500 mg

Batch ID or Lot Number: 0822ER1501	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 6
Reported: 17Aug2022	Started: 16Aug2022	Received: 12Aug2022	

Microbial Contaminants - Colorado Compliance

Test ID: T000217529

Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	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
18Aug2022
11:31:00 AM MDT

PREPARED BY / DATE



Brianne Maillot
18Aug2022
03:47:00 PM MDT

APPROVED BY / DATE

Prepared for:
Pet Relief

8100 Southpark Way #A3
Littleton, CO USA 80120

Equine Stress Relief - 1500 mg

Batch ID or Lot Number: 0822ER1501	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 6
Reported: 17Aug2022	Started: 16Aug2022	Received: 12Aug2022	


Residual Solvents - Colorado Compliance

Test ID: T000217531


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	90 - 1794	ND	
Butanes (Isobutane, n-Butane)	186 - 3715	ND	
Methanol	63 - 1257	ND	
Pentane	98 - 1957	ND	
Ethanol	95 - 1897	ND	
Acetone	103 - 2063	ND	
Isopropyl Alcohol	106 - 2121	ND	
Hexane	6 - 125	ND	
Ethyl Acetate	104 - 2074	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	103 - 2063	ND	
Toluene	18 - 368	ND	
Xylenes (m,p,o-Xylenes)	137 - 2739	ND	

Final Approval


Sam Smith
19Aug2022
06:37:00 PM MDT

PREPARED BY / DATE


Daniel Weidensaul
19Aug2022
06:51:00 PM MDT

APPROVED BY / DATE

Prepared for:
Pet Relief

8100 Southpark Way #A3
Littleton, CO USA 80120

Equine Stress Relief - 1500 mg

Batch ID or Lot Number: 0822ER1501	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 6
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Pesticides


Test ID: T000217528

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	308 - 2732	ND		Malathion	270 - 2721	ND
Acephate	40 - 2787	ND		Metalaxyl	44 - 2712	ND
Acetamiprid	40 - 2697	ND		Methiocarb	38 - 2734	ND
Azoxystrobin	41 - 2712	ND		Methomyl	39 - 2706	ND
Bifenazate	41 - 2673	ND		MGK 264 1	158 - 1631	ND
Boscalid	39 - 2759	ND		MGK 264 2	113 - 1163	ND
Carbaryl	39 - 2720	ND		Myclobutanil	44 - 2705	ND
Carbofuran	43 - 2690	ND		Naled	48 - 2733	ND
Chlorantraniliprole	38 - 2716	ND		Oxamyl	40 - 2690	ND
Chlorpyrifos	41 - 2732	ND		Paclobutrazol	42 - 2711	ND
Clofentezine	289 - 2730	ND		Permethrin	293 - 2771	ND
Diazinon	290 - 2770	ND		Phosmet	39 - 2677	ND
Dichlorvos	277 - 2714	ND		Prophos	281 - 2721	ND
Dimethoate	42 - 2706	ND		Propoxur	42 - 2700	ND
E-Fenpyroximate	286 - 2760	ND		Pyridaben	295 - 2764	ND
Etofenprox	41 - 2760	ND		Spinosad A	30 - 2258	ND
Etoazole	288 - 2736	ND		Spinosad D	47 - 504	ND
Fenoxycarb	41 - 2701	ND		Spiromesifen	272 - 2759	ND
Fipronil	40 - 2771	ND		Spirotetramat	265 - 2748	ND
Flonicamid	47 - 2738	ND		Spiroxamine 1	17 - 1172	ND
Fludioxonil	256 - 2768	ND		Spiroxamine 2	23 - 1571	ND
Hexythiazox	40 - 2773	ND		Tebuconazole	302 - 2715	ND
Imazalil	274 - 2744	ND		Thiacloprid	42 - 2687	ND
Imidacloprid	41 - 2733	ND		Thiamethoxam	37 - 2727	ND
Kresoxim-methyl	22 - 2788	ND		Trifloxystrobin	41 - 2734	ND

Final Approval


Sam Smith
18Aug2022
02:14:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
19Aug2022
12:39:00 PM MDT
APPROVED BY / DATE

Prepared for:
Pet Relief

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Littleton, CO USA 80120

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Heavy Metals - Colorado Compliance

Test ID: T000217530

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.56	ND	
Cadmium	0.04 - 4.44	ND	
Mercury	0.04 - 4.49	ND	
Lead	0.04 - 4.39	ND	

Final Approval



Daniel Weidensaul
24Aug2022
06:50:00 PM MDT

PREPARED BY / DATE



Courtney Richards
24Aug2022
08:09:00 PM MDT

APPROVED BY / DATE

APPROVED

Justin Thomson 09/15/2022
NPD Quality Manager



<https://results.botanacor.com/api/v1/coas/uuid/45b804c9-abae-4761-9114-ce819ea04ea8>

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.

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