

Prepared for:  
**PET RELIEF**8100 SOUTHPARK WAY A3  
LITTLETON, CO USA 80120**SKIN & PAW RELIEF**


Batch ID or Lot Number: <b>0622CC03</b>	Test, Test ID and Methods: Various	Matrix: Topical	Page 1 of 3
Reported: <b>08Jul2022</b>	Started: 08Jul2022	Received: 07Jul2022	

**Residual Solvents**

Test ID: T000213299

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	74 - 1479	ND	
Butanes (Isobutane, n-Butane)	154 - 3086	ND	
Methanol	56 - 1111	ND	
Pentane	85 - 1705	ND	
Ethanol	87 - 1746	ND	
Acetone	95 - 1903	ND	
Isopropyl Alcohol	97 - 1942	ND	
Hexane	5 - 106	ND	
Ethyl Acetate	87 - 1747	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	99 - 1990	ND	
Toluene	19 - 381	ND	
Xylenes (m,p,o-Xylenes)	126 - 2519	ND	

**Final Approval**  
Sam Smith  
08Jul2022  
01:09:00 PM MDT

PREPARED BY / DATE

  
Karen Winternheimer  
08Jul2022  
01:11:00 PM MDT


APPROVED BY / DATE

**Heavy Metals**

Test ID: T000213298

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.44	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.55	ND	
Lead	0.04 - 4.24	ND	

**Final Approval**  
Daniel Weidensaul  
08Jul2022  
02:17:00 PM MDT

PREPARED BY / DATE

  
Kayla Phye  
08Jul2022  
02:20:00 PM MDT

APPROVED BY / DATE

Prepared for:  
**PET RELEAF**8100 SOUTHPARK WAY A3  
LITTLETON, CO USA 80120**SKIN & PAW RELEAF**


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**Microbial  
Contaminants**

Test ID: T000213297

Methods: TM25 (PCR) TM24, TM26,  
TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

**Final Approval**  
Eden Thompson-Wright  
10Jul2022  
09:47:00 AM MDT  
PREPARED BY / DATE  
Brett Hudson  
11Jul2022  
10:25:00 AM MDT  
APPROVED BY / DATE

Prepared for:  
**PET RELIEF**

8100 SOUTHPARK WAY A3  
LITTLETON, CO USA 80120

## SKIN & PAW RELIEF

Batch ID or Lot Number: <b>0622CC03</b>	Test, Test ID and Methods: Various	Matrix: Topical	Page 3 of 3
Reported: <b>08Jul2022</b>	Started: 08Jul2022	Received: 07Jul2022	


## Cannabinoids

Test ID: T000213295


Methods: TM14 (HPLC-DAD)

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.020	0.060	ND	ND	
Cannabichromenic Acid (CBCA)	0.019	0.055	ND	ND	
Cannabidiol (CBD)	0.054	0.163	0.220	2.20	
Cannabidiolic Acid (CBDA)	0.055	0.167	ND	ND	
Cannabidivarin (CBDV)	0.013	0.039	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.023	0.070	ND	ND	
Cannabigerol (CBG)	0.012	0.034	ND	ND	
Cannabigerolic Acid (CBGA)	0.048	0.143	ND	ND	
Cannabinol (CBN)	0.015	0.045	ND	ND	
Cannabinolic Acid (CBNA)	0.033	0.097	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.057	0.170	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.052	0.154	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.046	0.137	ND	ND	
Tetrahydrocannabivarin (THCV)	0.010	0.031	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.041	0.121	ND	ND	
<b>Total Cannabinoids</b>			<b>0.220</b>	<b>2.20</b>	
Total Potential THC			ND	ND	
Total Potential CBD			0.220	2.20	

## Final Approval

  
Kayla Phye  
11Jul2022  
04:03:00 PM MDT

PREPARED BY / DATE

  
Jacob Miller  
11Jul2022  
04:04:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/c99357fe-eefd-4363-8130-1468fe5cfd2>

## 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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. 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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