

Prepared for:
PANACEA LIFE SCIENCES

16194 W 45th Drive
Golden, CO USA 80403

Hempress Facial Serum - 30 mL

Batch ID or Lot Number: FS29K2201	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: 05Dec2022	Started: 02Dec2022	Received: 01Dec2022	


Cannabinoids - Colorado Compliance


Test ID: T000229381

Methods: TM14 (HPLC-DAD): Potency - Standard

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.683	6.044	7.104	0.25	# of Servings = 1 Sample Weight=28.5g
Cannabichromenic Acid (CBCA)	1.540	5.529	ND	ND	
Cannabidiol (CBD)	6.975	17.381	71.379	2.50	
Cannabidiolic Acid (CBDA)	7.154	17.827	235.283	8.26	
Cannabidivarin (CBDV)	1.650	4.111	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.984	7.437	ND	ND	
Cannabigerol (CBG)	0.956	3.432	93.000	3.26	
Cannabigerolic Acid (CBGA)	3.995	14.346	132.694	4.66	
Cannabinol (CBN)	1.247	4.477	76.574	2.69	
Cannabinolic Acid (CBNA)	2.726	9.788	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.759	17.092	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.322	15.522	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.830	13.753	ND	ND	
Tetrahydrocannabivarin (THCV)	0.869	3.122	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.378	12.131	ND	ND	
Total Cannabinoids			616.034	21.62	
Total Potential THC			ND	ND	
Total Potential CBD			277.722	9.74	

Final Approval


Sam Smith
05Dec2022
10:21:00 AM MST
PREPARED BY / DATE


Karen Winternheimer
05Dec2022
10:25:00 AM MST
APPROVED BY / DATE

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16194 W 45th Drive
Golden, CO USA 80403

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Residual Solvents - Colorado Compliance

Test ID: T000229385


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	88 - 1764	ND	
Butanes (Isobutane, n-Butane)	175 - 3493	ND	
Methanol	57 - 1138	ND	
Pentane	95 - 1906	ND	
Ethanol	91 - 1826	ND	
Acetone	92 - 1850	ND	
Isopropyl Alcohol	96 - 1913	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	94 - 1888	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	95 - 1900	ND	
Toluene	17 - 339	ND	
Xylenes (m,p,o-Xylenes)	123 - 2470	ND	

Final Approval


Sam Smith
06Dec2022
02:12:00 PM MST

PREPARED BY / DATE


Karen Winternheimer
06Dec2022
02:15:00 PM MST

APPROVED BY / DATE

Prepared for:
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Golden, CO USA 80403

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Pesticides


Test ID: T000229382

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	335 - 2667	ND		Malathion	290 - 2707	ND
Acephate	41 - 2767	ND		Metalaxyl	38 - 2744	ND
Acetamiprid	42 - 2742	ND		Methiocarb	44 - 2686	ND
Azoxystrobin	42 - 2720	ND		Methomyl	41 - 2754	ND
Bifenazate	40 - 2728	ND		MGK 264 1	166 - 1627	ND
Boscalid	44 - 2714	ND		MGK 264 2	116 - 1113	ND
Carbaryl	43 - 2725	ND		Myclobutanil	38 - 2682	ND
Carbofuran	42 - 2708	ND		Naled	42 - 2756	ND
Chlorantraniliprole	43 - 2667	ND		Oxamyl	40 - 2746	ND
Chlorpyrifos	38 - 2642	ND		Paclobutrazol	48 - 2701	ND
Clofentezine	279 - 2733	ND		Permethrin	294 - 2686	ND
Diazinon	276 - 2737	ND		Phosmet	40 - 2702	ND
Dichlorvos	280 - 2790	ND		Prophos	290 - 2696	ND
Dimethoate	38 - 2742	ND		Propoxur	42 - 2704	ND
E-Fenpyroximate	294 - 2676	ND		Pyridaben	305 - 2654	ND
Etofenprox	42 - 2681	ND		Spinosad A	32 - 2231	ND
Etoxazole	306 - 2670	ND		Spinosad D	49 - 485	ND
Fenoxycarb	42 - 2736	ND		Spiromesifen	290 - 2693	ND
Fipronil	41 - 2666	ND		Spirotetramat	278 - 2722	ND
Flonicamid	47 - 2713	ND		Spiroxamine 1	18 - 1128	ND
Fludioxonil	267 - 2705	ND		Spiroxamine 2	22 - 1539	ND
Hexythiazox	39 - 2705	ND		Tebuconazole	285 - 2720	ND
Imazalil	250 - 2752	ND		Thiacloprid	42 - 2742	ND
Imidacloprid	47 - 2728	ND		Thiamethoxam	39 - 2769	ND
Kresoxim-methyl	38 - 2747	ND		Trifloxystrobin	43 - 2732	ND

Final Approval


 Sam Smith
 06Dec2022
 11:07:00 AM MST
 PREPARED BY / DATE


 Karen Winternheimer
 06Dec2022
 11:11:00 AM MST
 APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000229383
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
Salmonella	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
05Dec2022
04:52:00 PM MST

PREPARED BY / DATE



Eden Thompson-Wright
06Dec2022
04:17:00 PM MST

APPROVED BY / DATE

Mycotoxins - Colorado Compliance

Test ID: T000229386
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.39 - 122.46	ND	N/A
Aflatoxin B1	0.90 - 31.27	ND	
Aflatoxin B2	0.84 - 31.21	ND	
Aflatoxin G1	0.93 - 31.33	ND	
Aflatoxin G2	0.96 - 31.55	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Sam Smith
07Dec2022
08:08:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
07Dec2022
08:09:00 AM MST

APPROVED BY / DATE

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Heavy Metals - Colorado Compliance


Test ID: T000229384

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.32	ND	
Cadmium	0.04 - 4.42	ND	
Mercury	0.04 - 4.44	ND	
Lead	0.05 - 5.08	ND	

Final Approval


PREPARED BY / DATE
Sam Smith
08Dec2022
01:13:00 PM MST


APPROVED BY / DATE
Karen Winternheimer
08Dec2022
01:16:00 PM MST



<https://results.botanacor.com/api/v1/coas/uuid/727b30ef-84fc-4662-9913-683580d478ab>

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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