



Product : Moisturizing Cream

Batch : TR12D2101

Certificate of Analysis

Product : Moisturizing cream containing hemp oil distillate

Target 350 mg of CBD per 50 mL (0.70% w/w)

Batch : TR12D2101

Timeframe : Initial batch release

Test	Analyte	Acceptance Criteria	Results	Pass	Fail
Cannabinoids	CBD	0.63-0.84% w/w	0.82% (117% of target)	✓	
	THC	<0.3% w/w	<0.3% w/w	✓	
	THC-A	<0.3% w/w	<0.3% w/w	✓	
Microbiology	Salmonella spp.	Negative	Negative	✓	
	STEC	Negative	Negative	✓	
	Total Yeast & Mold	<100	<100	✓	
	Total Aerobic Count	<100	<100	✓	
	Total Coliform Count	<100	<100	✓	
Pesticides	Targeted list	Not detected	Not tested*		
Heavy metals	Arsenic As	<0.4 ppm	Not tested*		
	Cadmium Cd	<0.4 ppm	Not tested*		
	Lead Pb	<1 ppm	Not tested*		
	Mercury Hg	<0.2 ppm	Not tested*		
	Residual solvents	Benzene	<2 ppm	Not tested*	
	Heptane	<500 ppm	Not tested*		
	Hexane	<10 ppm	Not tested*		
	Ethanol	<5000 ppm	Not tested*		
	Toluene	<5 ppm	Not tested*		
	Total Xylenes	<5 ppm	Not tested*		

**Product not tested for these analytes, but major component(s) in formulation demonstrated to be free of contamination*

Batch is acceptable and released

Batch is not acceptable and will not be released

Prepared by : 

Date : 11 May 21

Approved by : 

Date : 11 May 21



Product : Moisturizing Cream

Batch : TR12D2101

Certificate of Analysis

Product : Moisturizing cream containing hemp oil distillate

Target 105 mg of CBD per 15 mL (0.70% w/w)

Batch : TR12D2101

Timeframe : Initial batch release

Test	Analyte	Acceptance Criteria	Results	Pass	Fail
Cannabinoids	CBD	0.63-0.84% w/w	0.82% (117% of target)	✓	
	THC	<0.3% w/w	<0.3% w/w	✓	
	THC-A	<0.3% w/w	<0.3% w/w	✓	
Microbiology	Salmonella spp.	Negative	Negative	✓	
	STEC	Negative	Negative	✓	
	Total Yeast & Mold	<100	<100	✓	
	Total Aerobic Count	<100	<100	✓	
	Total Coliform Count	<100	<100	✓	
Pesticides	Targeted list	Not detected	Not tested*		
Heavy metals	Arsenic As	<0.4 ppm	Not tested*		
	Cadmium Cd	<0.4 ppm	Not tested*		
	Lead Pb	<1 ppm	Not tested*		
	Mercury Hg	<0.2 ppm	Not tested*		
Residual solvents	Benzene	<2 ppm	Not tested*		
	Heptane	<500 ppm	Not tested*		
	Hexane	<10 ppm	Not tested*		
	Ethanol	<5000 ppm	Not tested*		
	Toluene	<5 ppm	Not tested*		
	Total Xylenes	<5 ppm	Not tested*		

*Product not tested for these analytes, but major component(s) in formulation demonstrated to be free of contamination

Batch is acceptable and released

Batch is not acceptable and will not be released

Prepared by : Farhad Ravi

Date : 11 MAY 21

Approved by : [Signature]

Date : 11 May 21

Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2104150006
Sample Id: 1A-GHEMP-2104150006-0002
Sample Name: CBD Moisturizing Cream TR12D2101
Sample Type: Infused (non-edible)
Client Id: CID-00197
Client: Panacea Life Sciences
Address: 16194 West 45th Drive, Golden, CO 80403

Test Performed: Hemp Lab
Report No: P-2104150006-V10
Receive Date: 2021-04-15
Test Date: 2021-04-16
Report Date: 2021-04-19
Sample Condition: Good
Method Reference: GH-OP-06

Scope

The content of sixteen cannabinoids was determined by an in-house developed method for solvent extraction followed by High Performance Liquid Chromatography with Diode Array Detection.

Cannabinoids	mg/unit	mg/gram
CBDV	4.42	0.09
CBDA	ND	ND
CBGA	ND	ND
CBG	5442.00	104.65
CBD	427.92	8.23
THCV	ND	ND
CBN	3.40	0.07
Δ9-THC	5.78	0.11
CBC	16.52	0.32
THCA	ND	ND
CBDVA	ND	ND
THCVA	ND	ND
CBNA	ND	ND
Δ8-THC	ND	ND
CBL	1.25	0.02
CBCA	ND	ND

ND - not detected; T - trace; ULOQ - limit of quantitation

	mg/unit	mg/gram
Total Δ9-THC	5.78	0.11
Total CBD	427.92	8.23
Total CBG	5442.00	104.65
Total Cannabinoids	5901.29	113.49
Total Δ9-THC (%)	0.01%	

Total Δ9-THC = Δ9-THC + (THCA x 0.877)

Total CBD = CBD + (CBDA x 0.877)

Total CBG = CBG + (CBGA x 0.877)

Net Weight (g)	
52.00	

Laboratory Comments:
Δ9 THC LOD = 0.001%
Δ9 THC LOQ = 0.011%

Jon Person Client Relations Manager

2021-04-19

Date

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• 3940 Youngfield St. •
• Wheat Ridge CO 80033 •
• ISO/IEC 17025:2017 Accredited •
• (303) 955-4934 •



Manifest: 2104270008
Sample Type: Infused (non-edible)
Test Performed: Microbial Lab
Client Id: CID-00197
Client: Panacea Life Sciences
Address: 16194 West 45th Drive, Golden, CO 80403

Report No: M-2104270008-V2
Receive Date: 2021-04-27
Test Date: 2021-04-27
Report Date: 2021-05-10
Sample Condition: Good
Method Reference: MBH-OP-02, MBH-OP-03,
MBH-OP-05 , MBH-OP-10,
MBH-OP-11

Scope

Contaminant testing for the identified pathogens *Salmonella spp.* and *Shiga Toxin Virulence Genes, O26,O45, O103, O111, O121, O145 and O157:H7 serogroups of Escherichia coli (STEC)* was performed through Polymerase Chain Reaction (PCR) presumptive experimentation, and confirmed through cultural methodology where applicable. Results for *Salmonella spp.* and STEC are represented as a negative or positive determination, a negative result indicating no detection of the respective contaminant.

Total Yeast and Mold Count (TYMC)/Total Aerobic Count(TAC)/Total Coliform Count (TCC) were determined through 3M™ Petrifilm™ plating technology. The TYMC/TAC/TCC is represented as a count in colony forming units per gram (cfu/g).



Jerry Hogan - Director of Operations

2021-05-10

Date

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Manifest: 2104270008
Sample Type: Infused (non-edible)
Test Performed: Microbial Lab
Client Id: CID-00197
Client: Panacea Life Sciences
Address: 16194 West 45th Drive, Golden, CO 80403

Report No: M-2104270008-V2
Receive Date: 2021-04-27
Test Date: 2021-04-27
Report Date: 2021-05-10
Sample Condition: Good
Method Reference: MBH-OP-02, MBH-OP-03,
MBH-OP-05, MBH-OP-10,
MBH-OP-11

Sample Id	Product	Salmonella spp.	STEC	TYMC (cfu/g)	TAC (cfu/g)	TCC (cfu/g)
1A-GHEMP-2104270008-0001	15ml transform natural - TR12D2101	Negative	Negative	<100	<100	<100

STEC - shiga toxin-producing *Escherichia coli*; TYMC - total yeast and mold count;
TAC - Total Aerobic Count; TCC - Total Coliform Count

Laboratory Comments:



Jerry Hogan - Director of Operations

2021-05-10

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Manifest: 2104150006
Sample Types: Infused (edible), Infused (non-edible)
Test Performed: Microbial Lab
Client Id: CID-00197
Client: Panacea Life Sciences
Address: 16194 West 45th Drive, Golden, CO 80403

Report No: M-2104150006-V1
Receive Date: 2021-04-15
Test Date: 2021-04-15
Report Date: 2021-04-21
Sample Condition: Good
Method Reference: MBH-OP-02, MBH-OP-03,
MBH-OP-05 , MBH-OP-10,
MBH-OP-11

Scope

Contaminant testing for the identified pathogens *Salmonella spp.* and *Shiga Toxin Virulence Genes, O26,O45, O103, O111, O121, O145 and O157:H7 serogroups of Escherichia coli (STEC)* was performed through Polymerase Chain Reaction (PCR) presumptive experimentation, and confirmed through cultural methodology where applicable. Results for *Salmonella spp.* and STEC are represented as a negative or positive determination, a negative result indicating no detection of the respective contaminant.

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Jon Person Client Relations Manager

2021-04-21

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Manifest: 2104150006
Sample Types: Infused (edible), Infused (non-edible)
Test Performed: Microbial Lab
Client Id: CID-00197
Client: Panacea Life Sciences
Address: 16194 West 45th Drive, Golden, CO 80403

Report No: M-2104150006-V1
Receive Date: 2021-04-15
Test Date: 2021-04-15
Report Date: 2021-04-21
Sample Condition: Good
Method Reference: MBH-OP-02, MBH-OP-03,
MBH-OP-05, MBH-OP-10,
MBH-OP-11

Sample Id	Product	Salmonella spp.	STEC	TYMC (cfu/g)	TAC (cfu/g)	TCC (cfu/g)
1A-GHEMP-2104150006-0001	900mg Mint Full Spectrum TN13D2101	Negative	Negative	<100	<100	<100
1A-GHEMP-2104150006-0002	CBD Moisturizing Cream TR12D2101	Negative	Negative	<100	<100	<100

STEC - shiga toxin-producing *Escherichia coli*; TYMC - total yeast and mold count;
TAC - Total Aerobic Count; TCC - Total Coliform Count

Laboratory Comments:



Jon Person Client Relations Manager

2021-04-21

Date

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