

**TFR-04-1500**

Sample ID: SA-250804-66435

Batch: 51521L1

Type: Finished Product - Topical

Matrix: Topical - Gel

Unit Mass (g): 45

Received: 08/05/2025  
Completed: 08/25/2025

**Summary**
**Test**

Cannabinoids  
Heavy Metals  
Microbials  
Mycotoxins  
Pesticides  
Residual Solvents

**Date Tested**

08/12/2025  
08/25/2025  
08/11/2025  
08/19/2025  
08/19/2025  
08/08/2025

**Status**

Tested  
Tested  
Tested  
Tested  
Tested  
Tested  
Tested

**ND**  
Total Δ9-THC

**3.79 %**  
CBD

**3.85 %**  
Total Cannabinoids

**Not Tested**  
Moisture Content

**Not Tested**  
Foreign Matter

**Yes**  
Internal Standard  
Normalization

**Cannabinoids by HPLC-PDA and GC-MS/MS**

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Result (mg/unit)
CBC	0.00095	0.00284	ND	ND	ND
CBCA	0.00181	0.00543	ND	ND	ND
CBCV	0.0006	0.0018	ND	ND	ND
CBD	0.00081	0.00242	3.79	37.9	1700
CBDA	0.00043	0.0013	ND	ND	ND
CBDV	0.00061	0.00182	0.0151	0.151	6.79
CBDVA	0.00021	0.00063	ND	ND	ND
CBG	0.00057	0.00172	0.0358	0.358	16.1
CBGA	0.00049	0.00147	ND	ND	ND
CBL	0.00112	0.00335	ND	ND	ND
CBLA	0.00124	0.00371	ND	ND	ND
CBN	0.00056	0.00169	0.0135	0.135	6.08
CBNA	0.0006	0.00181	ND	ND	ND
CBT	0.0018	0.0054	ND	ND	ND
Δ4,8-iso-THC	0.00067	0.002	ND	ND	ND
Δ8-iso-THC	0.00067	0.002	ND	ND	ND
Δ8-THC	0.00104	0.00312	ND	ND	ND
Δ8-THCV	0.00067	0.002	ND	ND	ND
Δ9-THC	0.00076	0.00227	ND	ND	ND
Δ9-THCA	0.00084	0.00251	ND	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND	ND
exo-THC	0.00067	0.002	ND	ND	ND
<b>Total Δ9-THC</b>			<b>ND</b>	<b>ND</b>	<b>ND</b>
<b>Total</b>			<b>3.85</b>	<b>38.5</b>	<b>1730</b>

ND = Not Detected; NR = Sample matrix interference present which may affect accuracy of results; NT = Not Tested; UA = Unsuitable for Analysis; NR = (Spike) Not Recoverable; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD;

Generated By: Ryan Bellone  
Commercial Director  
Date: 10/13/2025



Tested By: Nicholas Howard  
Scientist  
Date: 08/12/2025

ISO/IEC 17025:2017 Accredited  
Accreditation #108651


This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request.

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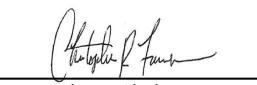
 Received: 08/05/2025  
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**Heavy Metals by ICP-MS**

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arsenic	0.002	0.02	ND
Cadmium	0.001	0.02	ND
Lead	0.002	0.02	ND
Mercury	0.012	0.05	ND

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 Generated By: Ryan Bellone  
 Commercial Director

  
 Tested By: Chris Farman  
 Scientist  
 Date: 08/25/2025

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**Pesticides by LC-MS/MS and GC-MS/MS**

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Acephate	30	100	ND	Hexythiazox	30	100	ND
Acequinocyl	30	100	ND	Imazalil	30	100	ND
Acetamiprid	30	100	ND	Imidacloprid	30	100	ND
Aldicarb	30	100	ND	Kresoxim methyl	30	100	ND
Azoxystrobin	30	100	ND	Malathion	30	100	ND
Bifenazate	30	100	ND	Metaxyl	30	100	ND
Bifenthrin	30	100	ND	Methiocarb	30	100	ND
Boscalid	30	100	ND	Methomyl	30	100	ND
Carbaryl	30	100	ND	Mevinphos	30	100	ND
Carbofuran	30	100	ND	Myclobutanil	30	100	ND
Chlorantraniliprole	30	100	ND	Naled	30	100	ND
Chlорfenapyr	30	100	ND	Oxamyl	30	100	ND
Chlorpyrifos	30	100	ND	Paclobutrazol	30	100	ND
Clofentezine	30	100	ND	Permethrin	30	100	ND
Coumaphos	30	100	ND	Phosmet	30	100	ND
Cypermethrin	30	100	ND	Piperonyl Butoxide	30	100	ND
Daminozide	30	100	ND	Prallethrin	30	100	ND
Diazinon	30	100	ND	Propiconazole	30	100	ND
Dichlorvos	30	100	ND	Propoxur	30	100	ND
Dimethoate	30	100	ND	Pyrethrins	30	100	ND
Dimethomorph	30	100	ND	Pyridaben	30	100	ND
Ethoprophos	30	100	ND	Spinetoram	30	100	ND
Etofenprox	30	100	ND	Spinosad	30	100	ND
Etoxazole	30	100	ND	Spiromesifen	30	100	ND
Fenhexamid	30	100	ND	Spirotetramat	30	100	ND
Fenoxycarb	30	100	ND	Spiroxamine	30	100	ND
Fenpyroximate	30	100	ND	Tebuconazole	30	100	ND
Fipronil	30	100	ND	Thiacloprid	30	100	ND
Flonicamid	30	100	ND	Thiamethoxam	30	100	ND
Fludioxonil	30	100	ND	Trifloxystrobin	30	100	ND

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 Generated By: Ryan Bellone  
 Commercial Director  
 Date: 10/13/2025



 Authorized By: Anthony Mattingly  
 Scientist  
 Date: 08/19/2025


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**Mycotoxins by LC-MS/MS**

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
Ochratoxin A	1	5	ND

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 Generated By: Ryan Bellone  
 Commercial Director

Date: 10/13/2025

  
 Tested By: Anthony Mattingly  
 Scientist

Date: 08/19/2025



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**Microbials by PCR and Plating**

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	10	ND	
Total coliforms	10	ND	
Generic E. coli	10	ND	
Listeria mono.	1		Not Detected per 1 gram
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram
Total yeast and mold count (TYMC)	10	ND	

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 Generated By: Ryan Bellone  
 Commercial Director  
 Date: 10/13/2025

  
 Tested By: Natalia Wright  
 Laboratory Technician  
 Date: 08/11/2025


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**Residual Solvents by HS-GC-MS**

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Oxide	0.5	1	ND
Benzene	0.5	1	ND	Heptane	167	500	ND
Butane	167	500	ND	n-Hexane	10	29	ND
1-Butanol	167	500	ND	Isobutane	167	500	ND
2-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanone	167	500	ND	Isopropyl Alcohol	167	500	>5000
Chloroform	2	6	ND	Isopropylbenzene	167	500	ND
Cyclohexane	129	388	ND	Methanol	100	300	ND
1,2-Dichloroethane	0.5	1	ND	2-Methylbutane	10	29	ND
1,2-Dimethoxyethane	4	10	ND	Methylene Chloride	20	60	ND
Dimethyl Sulfoxide	167	500	ND	2-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	3-Methylpentane	10	29	ND
2,2-Dimethylbutane	10	29	ND	n-Pentane	167	500	ND
2,3-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethylbenzene	3	7	ND				

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 Generated By: Ryan Bellone  
 Commercial Director  
 Date: 10/13/2025

 Tested By: Kelsey Rogers  
 Scientist  
 Date: 08/08/2025

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