

Functional Mushroom Canna Gummy

Sample ID: SA-241001-49386  
Batch: 8008-TC-535  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.54978

Received: 10/04/2024  
Completed: 10/10/2024

Client  
TPFN LLC  
2 American Ct  
Greenville, SC 29609  
USA



Summary

Test	Date Tested	Status
Cannabinoids	10/10/2024	Tested
Heavy Metals	10/08/2024	Tested
Microbials	10/07/2024	Tested
Mycotoxins	10/08/2024	Tested
Pesticides	10/08/2024	Tested
Residual Solvents	10/08/2024	Tested

0.194 % Total Δ9-THC	0.567 % CBD	0.800 % Total Cannabinoids	Not Tested Moisture Content	Not Tested Foreign Matter	Yes Internal Standard Normalization
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Cannabinoids by HPLC-PDA

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	ND	ND
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	0.567	25.8
CBDA	0.00043	0.0013	ND	ND
CBDV	0.00061	0.00182	<LOQ	<LOQ
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	0.0238	1.08
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.00683	0.311
CBNA	0.0006	0.00181	ND	ND
CBT	0.0018	0.0054	ND	ND
Δ8-THC	0.00104	0.00312	0.00875	0.398
Δ9-THC	0.00076	0.00227	0.194	8.83
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND
Total Δ9-THC			0.194	8.83
Total			0.800	36.4

ND = Not Detected; NT = Not Tested; 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;

*RBD*

Generated By: Ryan Bellone  
CCO  
Date: 10/10/2024

*NH*

Tested By: Nicholas Howard  
Scientist  
Date: 10/10/2024



ISO/IEC 17025:2017 Accredited  
Accreditation #108651





## Functional Mushroom Canna Gummy

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**Client**  
 TPFN LLC  
 2 American Ct  
 Greenville, SC 29609  
 USA

## Pesticides by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acephate	30	100	ND	Imazalil	30	100	ND
Acequinocyl	30	100	ND	Imidacloprid	30	100	ND
Acetamiprid	30	100	ND	Kresoxim methyl	30	100	ND
Azoxystrobin	30	100	ND	Malathion	30	100	ND
Bifenazate	30	100	ND	Metalaxyl	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
Chloranthraniliprole	30	100	ND	Naled	30	100	ND
Chlorfenapyr	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
Diazinon	30	100	ND	Prallethrin	30	100	ND
Dichlorvos	30	100	ND	Propiconazole	30	100	ND
Dimethoate	30	100	ND	Propoxur	30	100	ND
Dimethomorph	30	100	ND	Pyrethrins	30	100	ND
Ethoprophos	30	100	ND	Pyridaben	30	100	ND
Etofenprox	30	100	ND	Spinetoram	30	100	ND
Etoxazole	30	100	ND	Spinosad	30	100	ND
Fenhexamid	30	100	ND	Spiromesifen	30	100	ND
Fenoxycarb	30	100	ND	Spirotetramat	30	100	ND
Fenpyroximate	30	100	ND	Spiroxamine	30	100	ND
Fipronil	30	100	ND	Tebuconazole	30	100	ND
Flonicamid	30	100	ND	Thiacloprid	30	100	ND
Fludioxonil	30	100	ND	Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



Generated By: Ryan Bellone  
 CCO  
 Date: 10/10/2024



Tested By: Anthony Mattingly  
 Scientist  
 Date: 10/08/2024





## Functional Mushroom Canna Gummy

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 Batch: 8008-TC-535  
 Type: Finished Product - Ingestible  
 Matrix: Edible - Gummy  
 Unit Mass (g): 4.54978

Received: 10/04/2024  
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**Client**  
 TPFN LLC  
 2 American Ct  
 Greenville, SC 29609  
 USA

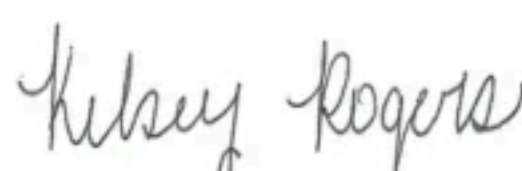
## Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	2	6	ND	Methanol	100	300	ND
Cyclohexane	129	388	ND	2-Methylbutane	10	29	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
2,3-Dimethylbutane	10	29	ND	n-Propane	167	500	ND
N,N-Dimethylformamide	30	88	ND	1-Propanol	167	500	ND
2,2-Dimethylpropane	167	500	ND	Pyridine	7	20	ND
1,4-Dioxane	13	38	ND	Tetrahydrofuran	24	72	ND
Ethanol	167	500	ND	Toluene	30	89	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethyl Ether	167	500	ND				
Ethylbenzene	3	7	ND				

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Generated By: Ryan Bellone  
 CCO  
 Date: 10/10/2024



Tested By: Kelsey Rogers  
 Scientist  
 Date: 10/08/2024







**KCA Laboratories**  
232 North Plaza Drive  
Nicholasville, KY 40356

+1-833-KCA-LABS  
<https://kcalabs.com>  
KDA Lic.# P\_0058

Functional Mushroom Canna Gummy

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Unit Mass (g): 4.54978

Received: 10/04/2024  
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**Client**  
TPFN LLC  
2 American Ct  
Greenville, SC 29609  
USA

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	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone  
CCO  
Date: 10/10/2024

Tested By: Natalia Wright  
Laboratory Technician  
Date: 10/07/2024



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Completed: 10/10/2024

**Client**  
TPFN LLC  
2 American Ct  
Greenville, SC 29609  
USA

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	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone  
CCO  
Date: 10/10/2024

Tested By: Natalia Wright  
Laboratory Technician  
Date: 10/07/2024



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Unit Mass (g): 4.54978

Received: 10/04/2024  
Completed: 10/10/2024

**Client**  
TPFN LLC  
2 American Ct  
Greenville, SC 29609  
USA

Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 10/10/2024

Tested By: Anthony Mattingly  
Scientist  
Date: 10/08/2024



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Functional Mushroom Canna Gummy

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Matrix: Edible - Gummy  
Unit Mass (g): 4.54978

Received: 10/04/2024  
Completed: 10/10/2024

**Client**  
TPFN LLC  
2 American Ct  
Greenville, SC 29609  
USA

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	<LOQ
Mercury	0.012	0.05	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 10/10/2024

Tested By: Chris Farman  
Scientist  
Date: 10/08/2024



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Grateful Pets Full Spectrum

Sample ID: SA-241114-51996  
Batch: 111124-01  
Type: Finished Product - Ingestible  
Matrix: Oil / Liquid - MCT Oil  
Unit Mass (g):

Received: 11/14/2024  
Completed: 12/02/2024

**Client**  
Grateful Meds NC  
301 S. McDowell Sr Ste.125-2139  
Charlotte, NC 28204  
USA



Summary

Test	Date Tested	Status
Cannabinoids	12/02/2024	Tested
Heavy Metals	11/21/2024	Tested
Pesticides	11/21/2024	Tested



0.248 mg/mL	32.6 mg/mL	39.0 mg/mL	Not Tested	Not Tested	Yes
Total Δ9-THC	Total CBD	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

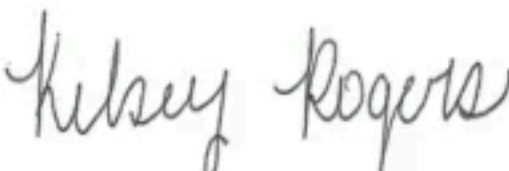
Cannabinoids by HPLC-PDA

Analyte	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (%)
CBC	0.00095	0.00284	0.45234	0.0480
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	32.59528	3.46
CBDA	0.00043	0.0013	ND	ND
CBDV	0.00061	0.00182	0.25206	0.0268
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	4.62479	0.491
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.106	0.0113
CBNA	0.0006	0.00181	ND	ND
CBT	0.0018	0.0054	0.67987	0.0722
Δ4,8-iso-THC	0.0067	0.02	NT	NT
Δ8-iso-THC	0.0067	0.02	NT	NT
Δ8-THC	0.00104	0.00312	ND	ND
Δ8-THCV	0.0067	0.02	NT	NT
Δ9-THC	0.00076	0.00227	0.24767	0.0263
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND
exo-THC	0.0067	0.02	NT	NT
Total Δ9-THC			0.248	0.0263
Total			39.0	4.14

ND = Not Detected; NT = Not Tested; 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  
CCO  
Date: 12/02/2024



Tested By: Kelsey Rogers  
Scientist  
Date: 12/02/2024



ISO/IEC 17025:2017 Accredited  
Accreditation #108651



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**Grateful Pets Full Spectrum**

Sample ID: SA-241114-51996  
Batch: 111124-01  
Type: Finished Product - Ingestible  
Matrix: Oil / Liquid - MCT Oil  
Unit Mass (g):

Received: 11/14/2024  
Completed: 12/02/2024

**Client**  
Grateful Meds NC  
301 S. McDowell Sr Ste.125-2139  
Charlotte, NC 28204  
USA

**Pesticides by LC-MS/MS**

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	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	Metalaxyl	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
Chloranthraniliprole	30	100	ND	Naled	30	100	ND
Chlorfenapyr	30	100	ND	Paclobutrazol	30	100	ND
Chlorpyrifos	30	100	ND	Permethrin	30	100	ND
Clofentezine	30	100	ND	Phosmet	30	100	ND
Coumaphos	30	100	ND	Piperonyl Butoxide	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
Fludioxonil	30	100	ND	Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



Generated By: Ryan Bellone  
CCO  
Date: 12/02/2024



Tested By: Anthony Mattingly  
Scientist  
Date: 11/21/2024





## Grateful Pets Full Spectrum

Sample ID: SA-241114-51996  
Batch: 111124-01  
Type: Finished Product - Ingestible  
Matrix: Oil / Liquid - MCT Oil  
Unit Mass (g):

Received: 11/14/2024  
Completed: 12/02/2024

**Client**  
Grateful Meds NC  
301 S. McDowell Sr Ste.125-2139  
Charlotte, NC 28204  
USA



## 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

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



GRATEFUL MEDS  
NC



Generated By: Ryan Bellone  
CCO  
Date: 12/02/2024



Tested By: Chris Farman  
Scientist  
Date: 11/21/2024



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**Grateful Meds Brain Berry Matcha Gummies**

Sample ID: SA-250310-58492  
Batch: 8559-BM-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.53877

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA



**Summary**

Test	Date Tested	Status
Cannabinoids	03/19/2025	Tested
Heavy Metals	03/18/2025	Tested
Microbials	03/20/2025	Tested
Mycotoxins	03/18/2025	Tested
Pesticides	03/18/2025	Tested
Residual Solvents	03/18/2025	Tested

<b>0.198 %</b> Total Δ9-THC	<b>0.540 %</b> CBD	<b>0.839 %</b> Total Cannabinoids	<b>Not Tested</b> Moisture Content	<b>Not Tested</b> Foreign Matter	<b>Yes</b> Internal Standard Normalization
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**Cannabinoids by HPLC-PDA**

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	ND	ND
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	0.540	24.5
CBDA	0.00043	0.0013	ND	ND
CBDV	0.00061	0.00182	0.00277	0.126
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	<LOQ	<LOQ
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.0983	4.46
CBNA	0.0006	0.00181	ND	ND
CBT	0.0018	0.0054	ND	ND
Δ8-THC	0.00104	0.00312	<LOQ	<LOQ
Δ9-THC	0.00076	0.00227	0.198	8.98
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND
<b>Total Δ9-THC</b>			<b>0.198</b>	<b>8.98</b>
<b>Total</b>			<b>0.839</b>	<b>38.1</b>

ND = Not Detected; NT = Not Tested; 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  
CCO  
Date: 03/20/2025

Tested By: Nicholas Howard  
Scientist  
Date: 03/19/2025







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KDA Lic.# P\_0058

## Certificate of Analysis

3 of 6

### Grateful Meds Brain Berry Matcha Gummies

Sample ID: SA-250310-58492  
Batch: 8559-BM-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.53877

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

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

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acephate	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	Metalaxyl	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
Chloranthraniliprole	30	100	ND	Naled	30	100	ND
Chlorfenapyr	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
Daminozide	30	100	ND	Piperonyl Butoxide	30	100	ND
Diazinon	30	100	ND	Prallethrin	30	100	ND
Dichlorvos	30	100	ND	Propiconazole	30	100	ND
Dimethoate	30	100	ND	Propoxur	30	100	ND
Dimethomorph	30	100	ND	Pyrethrins	30	100	ND
Ethoprophos	30	100	ND	Pyridaben	30	100	ND
Etofenprox	30	100	ND	Spinetoram	30	100	ND
Etoxazole	30	100	ND	Spinosad	30	100	ND
Fenhexamid	30	100	ND	Spiromesifen	30	100	ND
Fenoxycarb	30	100	ND	Spirotetramat	30	100	ND
Fenpyroximate	30	100	ND	Spiroxamine	30	100	ND
Fipronil	30	100	ND	Tebuconazole	30	100	ND
Flonicamid	30	100	ND	Thiacloprid	30	100	ND
Fludioxonil	30	100	ND	Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Anthony Mattingly  
Scientist  
Date: 03/18/2025



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Grateful Meds Brain Berry Matcha Gummies

Sample ID: SA-250310-58492  
Batch: 8559-BM-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.53877

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

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
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	2	6	ND	Methanol	100	300	ND
Cyclohexane	129	388	ND	2-Methylbutane	10	29	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
2,3-Dimethylbutane	10	29	ND	n-Propane	167	500	ND
N,N-Dimethylformamide	30	88	ND	1-Propanol	167	500	ND
2,2-Dimethylpropane	167	500	ND	Pyridine	7	20	ND
1,4-Dioxane	13	38	ND	Tetrahydrofuran	24	72	ND
Ethanol	167	500	ND	Toluene	30	89	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethyl Ether	167	500	ND				
Ethylbenzene	3	7	ND				

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Kelsey Rogers  
Scientist  
Date: 03/18/2025



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Grateful Meds Brain Berry Matcha Gummies

Sample ID: SA-250310-58492  
Batch: 8559-BM-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.53877

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

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	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Sara Cook  
Laboratory Technician  
Date: 03/20/2025



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Grateful Meds Brain Berry Matcha Gummies

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Matrix: Edible - Gummy  
Unit Mass (g): 4.53877

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

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

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Chris Farman  
Scientist  
Date: 03/18/2025



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Grateful Meds Brain Berry Matcha Gummies

Sample ID: SA-250310-58492  
Batch: 8559-BM-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.53877

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Anthony Mattingly  
Scientist  
Date: 03/18/2025



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## Grateful Meds Peach Gummies

Sample ID: SA-250310-58491  
 Batch: 8594-NP-40  
 Type: Finished Product - Ingestible  
 Matrix: Edible - Gummy  
 Unit Mass (g): 4.60321

Received: 03/14/2025  
 Completed: 03/20/2025

**Client**  
 Grateful Meds NC  
 89 Caldwell Dr  
 Belmont, NC 28012  
 USA



### Summary

Test	Date Tested	Status
Cannabinoids	03/19/2025	Tested
Heavy Metals	03/18/2025	Tested
Microbials	03/20/2025	Tested
Mycotoxins	03/18/2025	Tested
Pesticides	03/18/2025	Tested
Residual Solvents	03/18/2025	Tested

<b>0.170 %</b> Total Δ9-THC	<b>0.562 %</b> CBD	<b>0.837 %</b> Total Cannabinoids	<b>Not Tested</b> Moisture Content	<b>Not Tested</b> Foreign Matter	<b>Yes</b> Internal Standard Normalization
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### Cannabinoids by HPLC-PDA

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	ND	ND
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	0.562	25.9
CBDA	0.00043	0.0013	ND	ND
CBDV	0.00061	0.00182	0.00305	0.140
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	ND	ND
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.101	4.66
CBNA	0.0006	0.00181	ND	ND
CBT	0.0018	0.0054	ND	ND
Δ8-THC	0.00104	0.00312	<LOQ	<LOQ
Δ9-THC	0.00076	0.00227	0.170	7.82
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND
<b>Total Δ9-THC</b>			<b>0.170</b>	<b>7.82</b>
<b>Total</b>			<b>0.837</b>	<b>38.5</b>

ND = Not Detected; NT = Not Tested; 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  
 CCO  
 Date: 03/20/2025



Tested By: Nicholas Howard  
 Scientist  
 Date: 03/19/2025







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## Certificate of Analysis

2 of 6

### Grateful Meds Peach Gummies

Sample ID: SA-250310-58491  
Batch: 8594-NP-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.60321

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

### 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

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Chris Farman  
Scientist  
Date: 03/18/2025



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## Certificate of Analysis

3 of 6

### Grateful Meds Peach Gummies

Sample ID: SA-250310-58491  
Batch: 8594-NP-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.60321

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

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

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

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Anthony Mattingly  
Scientist  
Date: 03/18/2025



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## Certificate of Analysis

4 of 6

### Grateful Meds Peach Gummies

Sample ID: SA-250310-58491  
Batch: 8594-NP-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.60321

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

### Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	<LOQ
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Anthony Mattingly  
Scientist  
Date: 03/18/2025



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## Certificate of Analysis

5 of 6

### Grateful Meds Peach Gummies

Sample ID: SA-250310-58491  
Batch: 8594-NP-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.60321

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

### 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	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Sara Cook  
Laboratory Technician  
Date: 03/20/2025



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## Certificate of Analysis

6 of 6

### Grateful Meds Peach Gummies

Sample ID: SA-250310-58491  
Batch: 8594-NP-40  
Type: Finished Product - Ingestible  
Matrix: Edible - Gummy  
Unit Mass (g): 4.60321

Received: 03/14/2025  
Completed: 03/20/2025

**Client**  
Grateful Meds NC  
89 Caldwell Dr  
Belmont, NC 28012  
USA

### 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
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	2	6	ND	Methanol	100	300	ND
Cyclohexane	129	388	ND	2-Methylbutane	10	29	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
2,3-Dimethylbutane	10	29	ND	n-Propane	167	500	ND
N,N-Dimethylformamide	30	88	ND	1-Propanol	167	500	ND
2,2-Dimethylpropane	167	500	ND	Pyridine	7	20	ND
1,4-Dioxane	13	38	ND	Tetrahydrofuran	24	72	ND
Ethanol	167	500	ND	Toluene	30	89	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethyl Ether	167	500	ND				
Ethylbenzene	3	7	ND				

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone  
CCO  
Date: 03/20/2025

Tested By: Kelsey Rogers  
Scientist  
Date: 03/18/2025



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.