

**TESTING  
SERVICES  
TRICHOME  
ANALYTICAL**

## NJMMP PANEL

New Jersey Panel - meets the requirements of N.J.S.A. 24:61-19 (CRC Resolution 2021-9) issued by the New Jersey Cannabis Regulatory Commission. For compliance, batch release testing, the sample must be collected by the laboratory.

Plant Material	Concentrate & Infused Non-Edible	Infused Edible
1. Cannabinoids	1. Cannabinoids	1. Cannabinoids
2. Terpenes	2. Terpenes	2. Metals
3. Metals	3. Metals	3. Mycotoxins
4. Pesticides & Myco. 1	4. Pesticides & Myco. 1	4. STEC
5. Total Yeast & Mold	5. Residual Solvents	5. Total Coliform
6. Aerobic Count	6. Total Yeast & Mold	6. L. monocytogenes
7. E. Coli	7. Aerobic Count	7. Salmonella spp.
8. Salmonella spp.	8. E. Coli	8. Water Activity
9. Water Activity	9. Salmonella spp.	9. Foreign Matter
10. Moisture Content	10. Foreign Matter	
11. Foreign Matter	11. Vitamin E Acetate*	

\*inhalable concentrates only

## NY CHP COMPLIANCE PANEL

New York Cannabinoid Hemp Program Compliance Panel - meets the requirements of 10 NYCRR §1005 issued by the Cannabinoid Hemp Program.

1. Cannabinoids
2. Metals
3. Pesticides & Mycotoxins 2
4. Residual Solvents
5. Total Yeast & Mold
6. Total Aerobic Bacteria Count
7. Shiga toxin-producing E. Coli
8. Salmonella spp.

Recommended Add-ons:

+ Terpenes

## PROFILE PANEL

Cannabinoid potency and terpene analysis includes 15 cannabinoids and 36 terpenes for a unique 51 compound profile.

1. CBDVa	18. Sabinene	35. Menthol
2. CBDV	19. beta-Myrcene	36. Borneol
3. CBDa	20. beta-Pinene	37. Terpeneol
4. CBGa	21. alpha-Phellandrene	38. Nerol
5. CBG	22. 3-Carene	39. Geraniol
6. CBD	23. alpha-Terpinene	40. Pulegone
7. THCV	24. D-Limonene	41. Geranyl acetate
8. THCVa	25. Eucalyptol	42. alpha-Cedrene
9. CBN	26. gamma-Terpinene	43. Caryophyllene
10. Δ9-THC	27. Terpinolene	44. alpha-Humulene
11. Δ8-THC	28. Sabinene hydrate	45. Valencene
12. CBL	29. Linalool	46. Nerolidol
13. CBC	30. Fenchone	47. Guaiol
14. THCa	31. Fenchyl alcohol	48. Cedrol
15. CBCa	32. Isopulegol	49. alpha-Bisabolol
16. alpha-Pinene	33. Camphor	50. Ocimene
17. Camphene	34. Isoborneol	51. Caryophyllene Oxide

## CUSTOM PANELS

Work with us to design a custom full panel for your product needs. Our extensive testing options cover many high-THC state regulations such as California, Michigan, Maryland, and more. Choose from:

1. Cannabinoid Potency
2. Terpene Profile
3. Metals
4. Residual Solvents
5. Pesticides & Mycotoxins:
  - a. Panel I – 48 Pesticides
  - b. Panel II – 68 Pesticides
6. Microbes – mix and match:
  - a. Quality Indicators – TAC, TYM, CC, EC, EB
  - b. Pathogens – STEC, SAL, ASP, LMO, LIS
7. Vitamin E Acetate
8. Foreign Matter
9. Water Activity
10. Moisture Content

## CANNABINOID POTENCY

USDA Compliant 15 Cannabinoid Potency Testing. Includes dry weight percent, uncertainty measurements, and THC Pass/Fail value for flower. Reports in weight percent and mg/g. For infused products - we can also report mg/unit, mg/serving, and/or mg/mL if provided the net weight and volume or density of the product.

- |          |            |            |
|----------|------------|------------|
| 1. CBDVa | 6. CBD     | 11. Δ8-THC |
| 2. CBDV  | 7. THCV    | 12. CBL    |
| 3. CBDa  | 8. THCVa   | 13. CBC    |
| 4. CBGa  | 9. CBN     | 14. THCa   |
| 5. CBG   | 10. Δ9-THC | 15. CBCa   |

## TERPENE PROFILE

Extensive 36 compound terpene profile includes both major and minor terpenes typically found in cannabis. Reports in weight percent and mg/g.

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|-----------------------|----------------------|-------------------------|
| 1. alpha-Pinene       | 13. Sabinene hydrate | 25. Pulegone            |
| 2. Camphene           | 14. Linalool         | 26. Geranyl acetate     |
| 3. Sabinene           | 15. Fenchone         | 27. alpha-Cedrene       |
| 4. beta-Myrcene       | 16. Fenchyl alcohol  | 28. Caryophyllene       |
| 5. beta-Pinene        | 17. Isopulegol       | 29. alpha-Humulene      |
| 6. alpha-Phellandrene | 18. Camphor          | 30. Valencene           |
| 7. 3-Carene           | 19. Isoborneol       | 31. Nerolidol           |
| 8. alpha-Terpinene    | 20. Menthol          | 32. Guaiol              |
| 9. D-Limonene         | 21. Borneol          | 33. Cedrol              |
| 10. Eucalyptol        | 22. Terpeneol        | 34. alpha-Bisabolol     |
| 11. gamma-Terpinene   | 23. Nerol            | 35. Ocimene             |
| 12. Terpinolene       | 24. Geraniol         | 36. Caryophyllene Oxide |

## METALS

Measures the amount of heavy and essential metal/metalloids present in the product in ug/g (ppm).

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|-------------|--------------|--------------|
| 1. Arsenic  | 5. Iron      | 9. Lead      |
| 2. Cadmium  | 6. Mercury   | 10. Antimony |
| 3. Chromium | 7. Manganese | 11. Selenium |
| 4. Copper   | 8. Nickel    | 12. Zinc     |

## RESIDUAL SOLVENTS

Determines potential byproduct contamination from the extraction process. 21 common Class I, Class II, and Class III solvents are quantified. Reports in ug/g (ppm).

1. 1,1-Dichloroethene	8. Ethanol	15. Methylene chloride
2. 1,2-Dichloroethane	9. Ethyl acetate	16. n-Hexane
3. Acetone	10. Ethyl ether	17. Pentane
4. Acetonitrile	11. Ethylene oxide	18. Propane
5. Benzene	12. Heptane	19. Toluene
6. Butane	13. Isopropyl alcohol	20. Trichloroethylene
7. Chloroform	14. Methanol	21. Xylenes

## PESTICIDES & MYCOTOXINS 1

Covers NJMMP required pesticides for a total of 48 pesticides quantified, as well as Aflatoxin B1, B2, G1, G2, and Ochratoxin A. Reports in ug/g (ppm).

1. Abamectin	17. Dichlorvos	33. Methomyl
2. Acetamiprid	18. Dimethomorph	34. Myclobutanil
3. Aldicarb	19. Ethephon	35. Naled
4. Ancymidol	20. Etoxazole	36. Oxamyl
5. Azoxystrobin	21. Fenpyroximate	37. Paclobutrazol
6. Bifenazate	22. Fipronil	38. Permethrins
7. Bifenthrin	23. Flonicamid	39. Phosmet
8. Boscalid	24. Fludioxonil	40. Piperonyl Butoxide
9. Carbaryl	25. Flurprimidol	41. Propiconazole
10. Carbofuran	26. Hexythiazox	42. Pyrethrins
11. Chlorantranilprole	27. Imazalil	43. Spinosad
12. Chlorpyrifos	28. Imidacloprid	44. Spiromesifen
13. Clofentezine	29. Kresoxim-Methyl	45. Spirotetramat
14. Cyfluthrin	30. Malathion	46. Thiacloprid
15. Daminozide	31. Metalaxyl	47. Thiamethoxam
16. Diazinon	32. Methiocarb	48. Trifloxystrobin

## PESTICIDES & MYCOTOXINS 2

Covers various state high- and low-THC cannabis pesticide lists including NY CHP, Florida, California, Colorado, and Michigan for a total of 68 pesticides quantified, as well as Aflatoxin B1, B2, G1, G2, and Ochratoxin A. Reports in ug/g (ppm).

1. Abamectin	12. Carbofuran	23. Diazinon
2. Acephate	13. Chlorantranilprole	24. Dichlorvos
3. Acequinocyl	14. Chlordane	25. Dimethoate
4. Acetamiprid	15. Chlorfenapyr	26. Dimethomorph
5. Aldicarb	16. Chlormequat Chloride	27. Ethoprophos
6. Azoxystrobin	17. Chlorpyrifos	28. Etofenprox
7. Bifenazate	18. Clofentezine	29. Etoxazole
8. Bifenthrin	19. Coumaphos	30. Fenhexamid
9. Boscalid	20. Cyfluthrin	31. Fenoxycarb
10. Captan	21. Cypermethrin	32. Fenpyroximate
11. Carbaryl	22. Daminozide	33. Fipronil

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34. Flonicamid	46. MGK 264	58. Pyrethrins
35. Fludioxonil	47. Myclobutanil	59. Pyridaben
36. Hexythiazox	48. Naled	60. Spinetoram
37. Imazalil	49. Oxamyl	61. Spinosad
38. Imidacloprid	50. Paclbutrazol	62. Spiromesifen
39. Kresoxim-Methyl	51. Pentachloronitrobenzene	63. Spirotetramat
40. Malathion	52. Permethrins	64. Spiroxamine
41. Metalaxyl	53. Phosmet	65. Tebuconazole
42. Methiocarb	54. Piperonyl Butoxide	66. Thiacloprid
43. Methomyl	55. Prallethrin	67. Thiamethoxam
44. Methyl parathion	56. Propiconazole	68. Trifloxystrobin
45. Mevinphos	57. Propoxur	

## VITAMIN E ACETATE

Measures the amount of vitamin E acetate present in inhalable concentrates. Reports in weight percent.

## MICROBES: QUALITY INDICATORS

Measures microbial contamination by MPN and/or plating. Reports in presence/absence or CFU/g. Available individually or as a part of packaged analyses.

1. Total Yeast & Mold Count
2. Total Aerobic Bacteria Count
3. Total Enterobacteriaceae Count
4. Total Coliform Count
5. E. Coli (Presence/Absence)

## MICROBES: PATHOGENS

Measures microbial contamination by qPCR. Reports in presence/absence. Available individually or as a part of packaged analyses.

1. Shiga toxin-producing E. Coli (STEC)
2. Salmonella spp.
3. Aspergillus (flavus, fumigatous, niger, terreus)
4. Listeria monocytogenes
5. Listeria spp.

## MOISTURE CONTENT

Determines the moisture content after curing on post-harvest plant material. Reports in percent moisture.

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## WATER ACTIVITY

The measure of free water in the product. Indicates potential for microbial growth. Reports in Aw.

## FOREIGN MATTER

Determines contaminants (soil, bugs, mold, etc.) via microscopy. Pass/fail reported.

## HOMOGENEITY

Determines consistency and labeling accuracy of cannabinoids per serving for a production batch of infused products. If your product is 1 serving per unit, we will need 4 units, if the product contains multiple servings per unit, we will need 2 units. Includes cannabinoid potency analysis. Reports in pass/fail for accuracy and pass/fail for variability.

## RUSH TURNAROUND

30% upcharge for 1-day turnaround on cannabinoid potency, 2-day turnaround for chemical analyses, and a 3-day turnaround for microbial analysis.

## DRYING

Laboratory drying for pre-harvest samples.

## SAMPLE PICKUPS

Servicing New Jersey and Eastern Pennsylvania. Complimentary pick up offered for bulk orders. Contact us for a quote with your pickup location and sample quantity.

## SAMPLING

Compliance sampling available for NJ high-THC cannabis license holders. We are also licensed for USDA compliant pre-harvest sampling for some USDA-approved state programs. Contact us for eligibility and quote.

## ENVIRONMENTAL TESTING

Contact us for a quote.