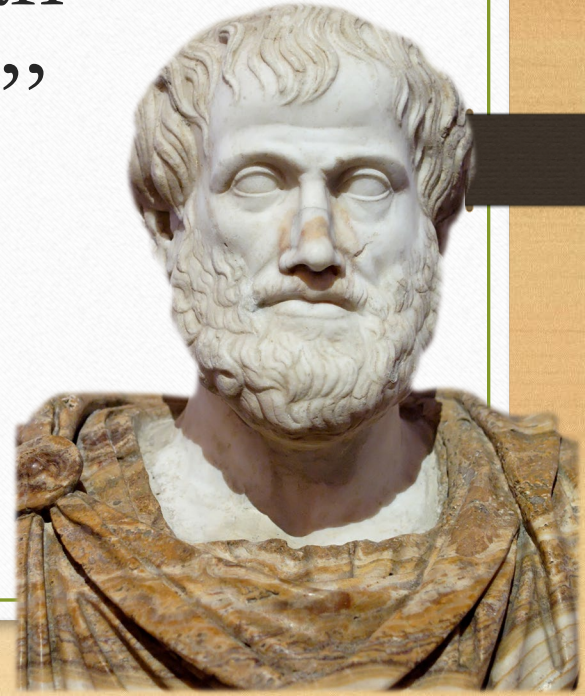




Quality is not an
act, it is a habit”

-Aristotle

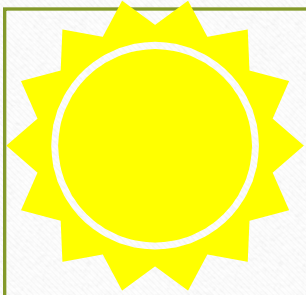


Perry Johnson Companies

Headquarters – Troy, MI

- ▶ Family of 72 companies
- ▶ Global Offices in Europe, Asia, and the Americas
- ▶ Offering services in Food Safety, Cannabis/Hemp, and all other ISO manufacturing types.





Importance of Food Safety in the Hemp and Cannabis Industry

Why does it matter?



Producer Responsibility

- ▶ Grow product safely
- Implement appropriate controls
- Whole company commitment

Why Regulation and product safety through GMP is important



Pennsylvania Issues Mandatory Recall for Hundreds of Cannabis Products

February 4, 2022 at 1:32 pm

Breaking News by Alan Brochstein, CFA



The Pennsylvania Department of Health sent an [email to medical cannabis patients](#) in the state today announcing a mandatory recall of hundreds of different vape cartridges:



2/4/2022 email to Patients and Caregivers



Dear Medical Marijuana Patient/Caregiver,

The Department of Health is committed to ensuring that the Medical Marijuana Program is operating appropriately and effectively. As you know, the Department recently conducted a statewide review of all vaporized medical marijuana products containing added ingredients. After finishing this review, the Department has determined that certain vaporized medical marijuana products containing some added ingredients have not been approved for inhalation by the United States Food and Drug Administration (FDA).

Although some of these added ingredients may be considered safe in other non-inhaled products, patient safety is the top priority of the Medical Marijuana Program. Therefore, the Department has issued mandatory recall for all affected vaporized products. The lists of affected products and added ingredients are posted on our website at www.medicalmarijuana.pa.gov.

Product Testing Concerns



Cannabis and Hemp Testing

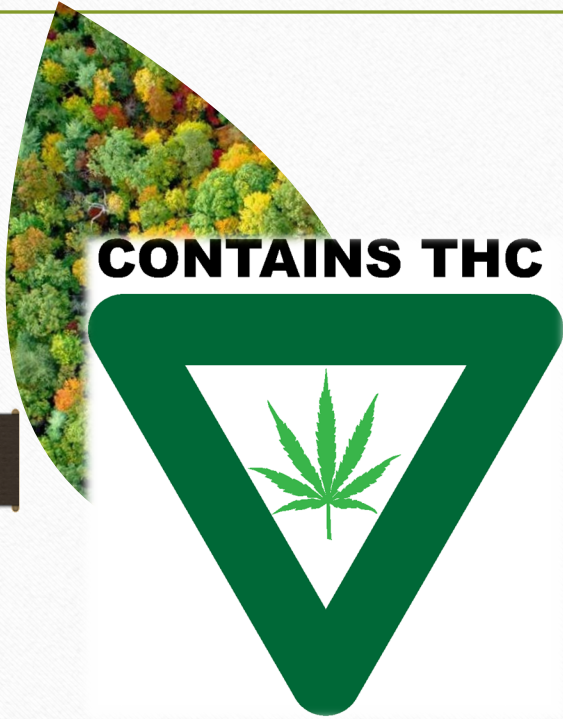
- ▶ How is the sampling conducted?
- ▶ Frequency of testing
- ▶ What credentialing does lab have (State Approved or ISO 17025)?
- ▶ What tests are conducted (potency, terpenes, pesticides, heavy metals, micro/pathogens, yeast/molds)?

| MARIJUANA |

Cannabis Testing Company Takes Blame for Recall, Defends Affected Brands

RAY STERN | JUNE 23, 2021 | 10:44PM





Cannabis Packaging

- ▷ Adherence to current packaging requirements
- ▷ Proper labeling
 - ▶ THC level of product
 - ▶ Name & address of production facility
 - ▶ Name of the infused product and ingredients by descending weight
 - ▶ Product cannot be a shape, color, package, or labeled to appeal to minors age 17 and under
 - ▶ Child-resistant packaging



Elementary students from two Fresno Unified schools ingested marijuana edibles



Mike Tyson's Ear-Shaped Gummies Banned by Colorado Law

THOMAS MITCHELL | APRIL 4, 2022 | 5:56AM



Every 4/20 Event In Denver

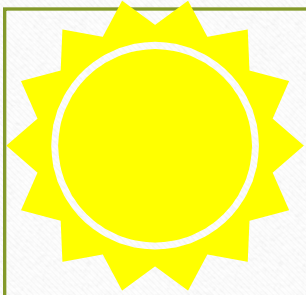


In Colorado, 4/20 Is Something for Everyone to Celebrate



Op-Ed: Social Equity Rules Need





Cannabis/Hemp Certification

Audit Types and Steps to Certification



Third Party Certification

- ▶ Provides audits and certifications outside of regulatory requirements
- ▶ Based on a recognized set of food safety standards such as GAP (Good Agricultural Practices) or HACCP (Hazard Analysis and Critical Control Points) and Good Manufacturing Practices(GMP) CFR 110





Code of Federal Regulations(CFR 110)

- ▷ Section 110 is the basis of most GMP programs and is the accepted base line for food and many States' Cannabis and Hemp Safety Programs
- ▷ There are other sections that get more specific relative to infant formula and other specific foods and packaging methods but that is not relative to our industry, for the most part.



Apple Butter

Mold
(AOAC 975.51)

Average of mold count is 12% or more

Rodent filth
(AOAC 945.76)

Average of 4 or more rodent hairs per 100 grams of apple butter

Insects
(AOAC 945.76)

Average of 5 or more whole or equivalent insects (not counting mites, aphids, thrips, or scale insects) per 100 grams of apple butter

DEFECT SOURCE: Mold - post harvest infection. Rodent hair - post harvest and/or processing contamination with animal hair. Whole or equivalent insects - preharvest, and/or post harvest and/or processing insect infestation, SIGNIFICANCE: Aesthetic



Chocolate and Chocolate Liquor

Insect filth
(AOAC 965.38)

Average is 60 or more insect fragments per 100 grams when 6 100-gram subsamples are examined
OR
Any 1 subsample contains 90 or more insect fragments

Rodent filth
(AOAC 965.38)

Average is 1 or more rodent hairs per 100 grams in 6 100-gram subsamples examined
OR
Any 1 subsample contains 3 or more rodent hairs

Shell
(AOAC 968.10-970.23)

For chocolate liquor, if the shell is in excess of 2% calculated on the basis of alkali-free nibs

DEFECT SOURCE: Insect fragments - post harvest and/or processing insect infestation, Rodent hair - post harvest and/or processing contamination with animal hair or excreta, Shell - processing contamination
Significance: Aesthetic





Types of Food Safety Audits

- ▷ PJRFSI Cannabis Safety Standard
- ▷ Covers the 5 classic points of GMP:
- ▷ People, Premises, Processes, Products, and Procedures
- ▷ Can also be applied to GAP, and in conjunction with Organic

Reasons for Recalls

- ▷ Product test fails after distribution:
- ▷ Heavy metals, pesticides, etc,
- ▷ Actual plant material fails:
- ▷ Mold, fungus, pesticides
- ▷ Improper labeling, not child safe.

CANNABIS FLOWER RECALL

- ▶ BATCH NUMBER:
28090621HB
- ▶ UID NUMBER:
1A406030000326B00009
4476



State regulators in Oregon have recalled 18,000 THC vaping cartridges after it was found that they contained an unapproved non-cannabis additive.





PJRFSI Cannabis cGMP Standard

- ▷ Applicable for Cannabis and Hemp growers
- ▷ Accredited by ANSI
- ▷ Based off of existing Federal, Food Industry and Code of Federal Regulations requirements.
- ▷ State-specific requirements also included

The 10 Golden Rules of GMP

- 1. Get the facility design right from the start**
- 2. Validate processes**
- 3. Write good procedures and follow them**
- 4. Identify who does what**
- 5. Keep good records**
- 6.. Train and develop staff**
- 7. Practice good hygiene**
- 8. Maintain facilities and equipment**
- 9. Build quality into the whole product lifecycle**
- 10. Perform regular audits**



How to be Audit Ready

- ▷ Pre-assessment
- ▷ Review and implement Requirements
- ▷ Train Employees
- ▷ Internal Audit
- ▷ Implement Corrective Actions

Contract with PJRFESI

PJRFESI provides a free quote for certification. PJRFESI can also provide a pending contract for certification.

Schedule Audit

Your team of schedulers will coordinate your audit with your assigned auditor.

Pre-Assessment

PJRFESI can conduct an optional pre-assessment audit prior to the certification audit to identify any gaps in your program.

Conduct Audit

Your auditor will conduct the audit onsite at the facility. They will go through the requirements, review records, interview employees and review your documentation for conformity.

Corrective Actions

Implement corrective actions within 30 days for any identified non-conformities.

Certification

PJRFESI will re-certify your certification for 1 year.



Benefits of Certification

- ▷ Mitigate risks to public health and safety
- ▷ Promote your products with an added layer of confidence
- ▷ Increase consumer confidence
- ▷ Stay ahead of the competition when it comes to government requirements
- ▷ Reduce recalls and save money
- ▷ Insurance companies are discounting for companies that have GMP and or ISO certs

Pending Letter (sample)



Perry Johnson Registrars Food Safety, Inc.

Date
Site Address

Dear Name,

We at Perry Johnson Registrars Food Safety Inc. appreciate the opportunity to serve as your partner as you progress toward becoming a certified SQF Supplier. As detailed in your Certification Agreement, we will audit your Cannabis Safety System and your facility listed at the address above to the PJRFSI Safety Standard.

This letter confirms that you anticipate completing your Cannabis Safety certification with Perry Johnson Registrars Food Safety Inc. by the [target date].

Following the facility audit, you will have up to 30 days to close out any documented nonconformities. Provided you achieve the minimum compliance grade, we will register you as a Certified Cannabis Safety Operation within 45 days of your facility audit date. This timeline may be shortened if you are able to close out all non-conformities earlier than the due dates. After the certification decision has been made, you typically receive your official, signed certificate within two weeks.

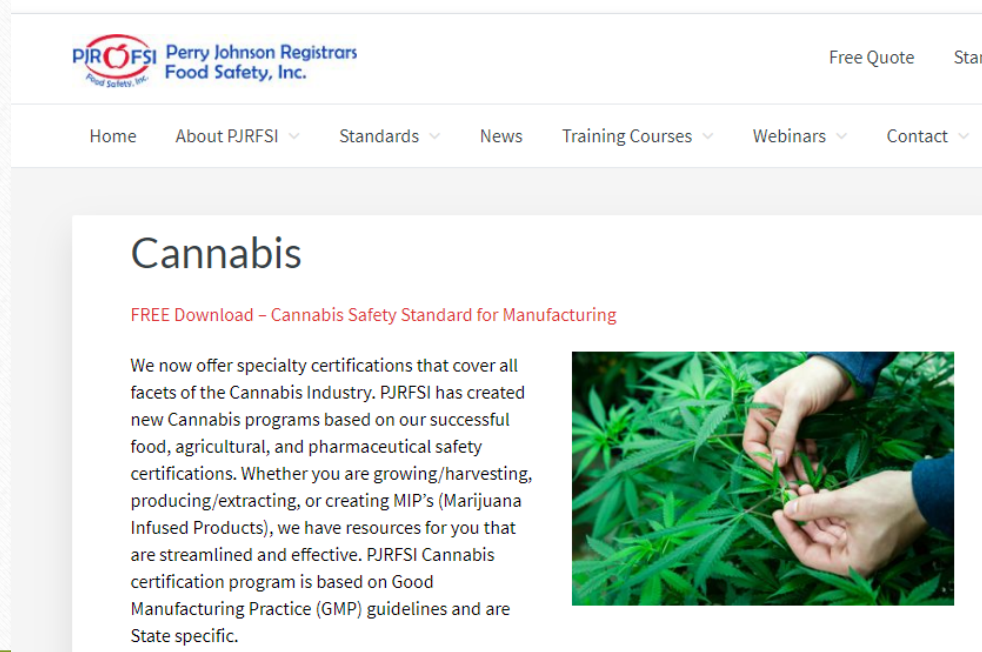
Please feel free to contact me by email or at 1-800-800-7910 if you have any questions about the next phase of your certification process. We look forward to being of service to [company name].

Kind Regards,

Working with
an accredited
Certification
Body
Shows
commitment to
employees,
stakeholders,
and potential
customers

Download the Standard

- ▶ We are offering a free download of the standard from our website



The screenshot shows the PJRFSI website header with the logo "PJRFSI Food Safety, Inc. Perry Johnson Registrars Food Safety, Inc." and navigation links: "Home", "About PJRFSI", "Standards", "News", "Training Courses", "Webinars", and "Contact". A "Free Quote" button is also visible. The main content area features the heading "Cannabis" and a red link: "FREE Download – Cannabis Safety Standard for Manufacturing". Below the link is a paragraph of text and a photograph of hands examining a cannabis plant.

PJRFSI Food Safety, Inc. Perry Johnson Registrars Food Safety, Inc.


Free Quote Stand

Home About PJRFSI Standards News Training Courses Webinars Contact

Cannabis

[FREE Download – Cannabis Safety Standard for Manufacturing](#)

We now offer specialty certifications that cover all facets of the Cannabis Industry. PJRFSI has created new Cannabis programs based on our successful food, agricultural, and pharmaceutical safety certifications. Whether you are growing/harvesting, producing/extracting, or creating MIP's (Marijuana Infused Products), we have resources for you that are streamlined and effective. PJRFSI Cannabis certification program is based on Good Manufacturing Practice (GMP) guidelines and are State specific.



Have questions?

Reach us at www.pjrfsi.com and bmcmillen@pjrfsi.com

