PT Workgroup Update & Motion Discussion

9/17/2020
MOTION #1: ACCREDITATION CATEGORIES FOR CANNABIS

Accreditation of cannabis labs shall be in the following matrix categories: Flower, Intermediate Products and End Products.

Flower: Cannabis sp plant material. Not altered or extracted.

Intermediate Products: Cannabis concentrate or cannabis-infused product that must be or are intended to be converted further to an end product.

End Products: A refined Cannabis product that must not or is not intended to receive further processing prior to retail sale.
Previous Concerns about the motion
Change in # of required PTs

Currently for WSLCB

• 2 per Field of Testing
• No specificity on the matrix the PT must be in
  • Allows labs to choose which PT is easiest
  • No information that a lab is capable across entire scope of cannabis products

• Minimum number of PTs: 18 for a Full Service Cannabis Laboratory

Under Ecology

• Micro: 1 per year per parameter
• Chemistry: 2 per year per parameter
  • However, upon successful analysis of 2 without a failure, only 1 is required until a failure occurs

• Minimum number of PTs: 26 for a Full Service Cannabis Laboratory in year one then as few as 14 ongoing
What PT options are currently available?

**Cannabis Flower**
- There is a Hemp PT for all required Fields of Testing
  - Including Terpenes and non-required Cannabinoids

**Intermediate Products**
- There is a Hemp Oil PT available for all required Fields of Testing
  - Including Metals, Pesticides
- Potency in Olive and MCT Oil

**End Products**
- Potency in Chocolate, Beverages, Gummy, Hard Candy, “Edible”
  - CBD only in a Topical
- Some (not all) of the Micro analytes in Chocolate and “Edible”
- Mycotoxins and Residual Solvents in Gummy
Matrix, Commodity/Commodity Group

**Matrix**
- Used by accreditation to differentiate a lab’s capability within a method across dissimilar items
- Such as
  - Water
  - Soil
  - Air

**Commodity/Commodity Group**
- Used by laboratories to validate pesticide performance based-methods across dissimilar items
- Such as
  - Citrus Fruit (Commodity Group)
    - Oranges, Lemons, Limes, etc. (Commodity)
Product Standards, Lab Quality Standards & Accreditation Standards

**Product Standards**
- Defines acceptable product content

**Laboratory Quality Standards**
- Defines test methods, method validation, and performance measures
- Used by labs to test products to product standards
- Used for accreditation to verify laboratory competence

**Accreditation Standards**
- Defines procedural accreditation practices
Why is this motion necessary?
Accreditation and Data users

- Having matrix categories makes PT results more meaningful
- Provides Auditors with more comprehensive information to guide accreditation decisions
- Provides laboratories better feedback for method refinement
- Provides Consumers with confidence in product label claims
<table>
<thead>
<tr>
<th>Oregon</th>
<th>Colorado</th>
<th>New York (Medical only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Phenova PT provided</td>
<td>• 3 matrices</td>
<td>• Labs analyze the</td>
</tr>
<tr>
<td></td>
<td>• Cannabis Flower is placed into Tissue</td>
<td>commercially available</td>
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<tr>
<td></td>
<td>• All other cannabis products are placed</td>
<td>PTs.</td>
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<tr>
<td></td>
<td>into Solid and Chemical Materials</td>
<td>• All Medical Cannabis</td>
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<tr>
<td></td>
<td></td>
<td>is in its own Matrix:</td>
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<td></td>
<td></td>
<td>Medical Marijuana</td>
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<tr>
<td></td>
<td>• Method validation must be in at least two</td>
<td>• Labs are required to</td>
</tr>
<tr>
<td></td>
<td>matrix types</td>
<td>use ELAP developed</td>
</tr>
<tr>
<td></td>
<td>• Matrix Extension for novel products</td>
<td>cannabis methods</td>
</tr>
</tbody>
</table>
Matrix Categories Framework Help Enable Better Decisions on Competency

Current Model

Washington

New York
Medicinal Only

Colorado

Oregon
Matrix Categories Framework Help Enable Better Decisions on Competency
Why the matrix definitions are where they are

• Representative of all products seen in the market

• Captures the analytical differences between the matrices

• Fits within both the LCB required product testing and Ecology’s Accreditation Model
Intent of the motion

• The motion would establish the matrices labs would be required to analyze PTs in

• Would not eliminate/replace required Fields of Testing
  • But would add categories within them to capture a more complete assessment of a labs capabilities within a Field of Testing

• Labs will likely be running more PTs initially
  • However, that number could come down if they continue to pass the PTs
Questions?