



WEBINAR



What You Need to Know about Cannabis Edibles Labeling in Oregon

Presented by ESHA Research

Wednesday, August 19, 2020

11:00 AM PDT | 1:00 PM CDT | 2:00 PM EDT



ESHA Research

ESHA Research was established in 1981 as one of the very first nutrition software solutions. Today, ESHA's suite of nutritional software products, services, and databases are recognized as the industry's top choice for food and supplement formulation, recipe development, labeling, nutritional analysis, and regulatory compliance.

ESHA Solutions

- Genesis R&D[®] Food Formulation
- Genesis R&D[®] Supplement Formulation
- Food Processor[®] Nutrition & Diet Analysis
- Consulting Services

Our mission is to help remove the complexity of product development and regulatory compliance for the food, beverage, and supplement industries through software, services, and nutritional databases.



Genesis R&D Foods

Genesis R&D Foods, first released in 1991, is designed to help users manage processes, overcome industry challenges, and meet federal requirements. Industry professionals use Genesis R&D for quick and accurate nutrient evaluation, virtual product development, nutrition labeling, and regulatory compliance.

- Product Development
- Recipe Analysis
- Nutrition Reporting
- Regulatory Compliance

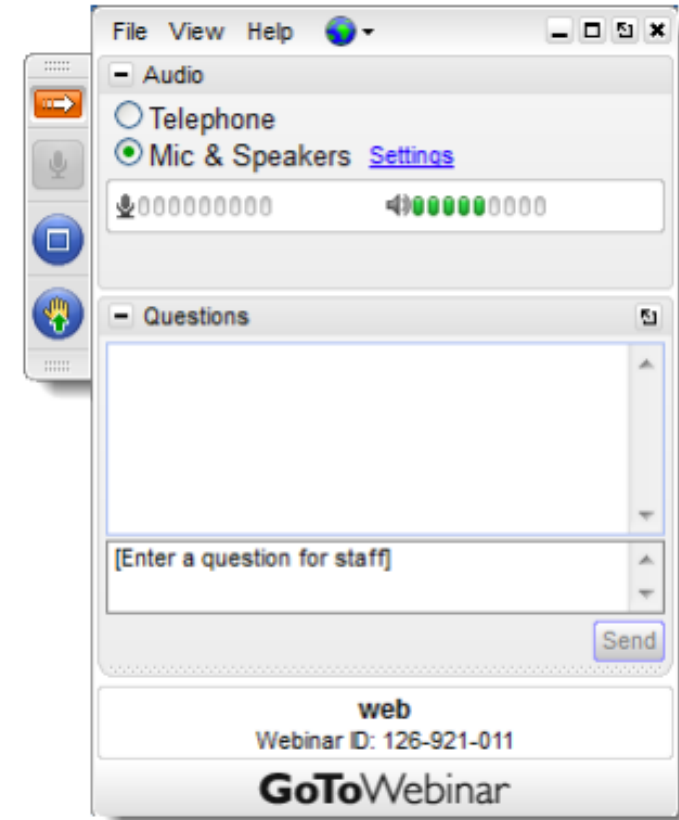




Please Note!

- ✓ The webinar is being recorded
- ✓ All webinars available on our website
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WEBINAR



What we'll cover today

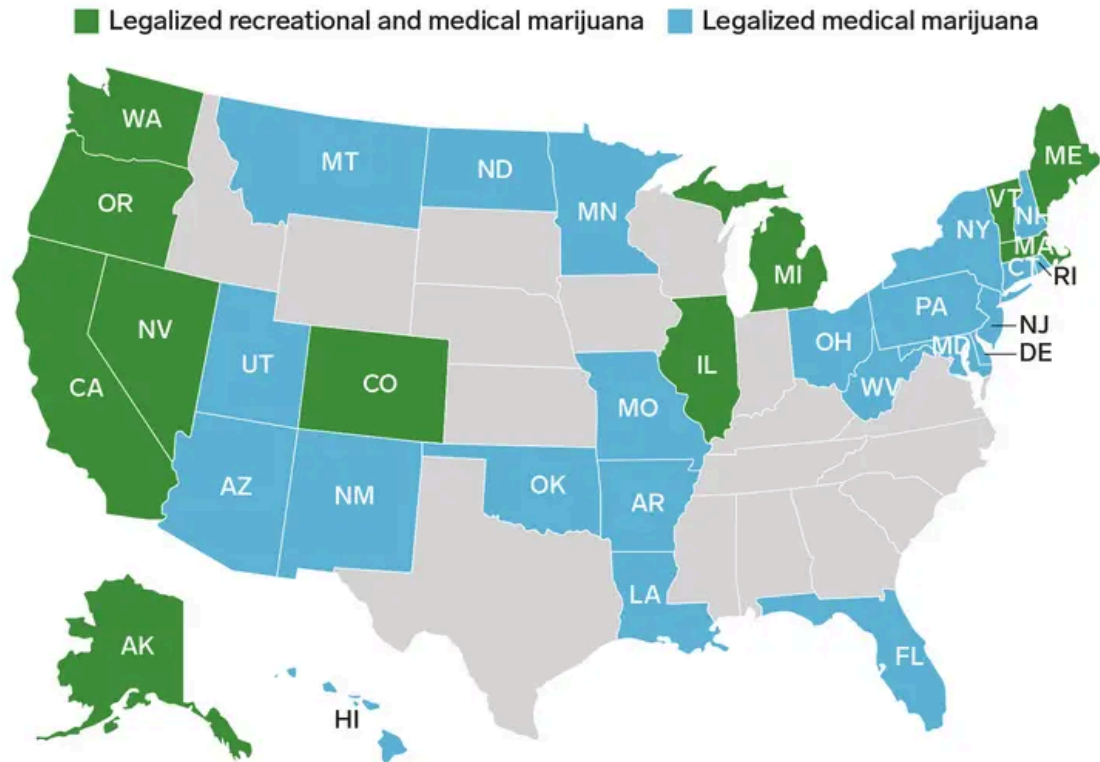
- State Legalization/Regulation Overview
- OLCC Packaging & Labeling Review
 - Required Product Information
 - Required Symbols
 - Nutrition Facts Label
 - Additional Requirements
- Benefits of Nutrition Analysis Software
- Walk through of Genesis R&D
- Q&A





States Where Marijuana is Legal

States where marijuana is legal



BUSINESS INSIDER

- 11 states in the U.S. and the District of Columbia have legalized cannabis for recreational use.
- Medical marijuana (prescribed by physicians) is legal in 33 states and Washington, D.C.



Nutrition Labeling Regulations by State

State	Ingredient List	Allergen Statement	Nutrition Facts
Alaska	Not Required	Not Required	Not Required
California	Required	Required	Required* Specific Set of Nutrients
Colorado	Required	Required	<i>Optional</i>
Illinois	Required	General Statement	Not Required
Maine	Required	Required	Required
Massachusetts	Required	Required	Not Required
Michigan	Required	Required	Not Required <u>unless</u> A Nutrition Claim is Made
Nevada	Required	Required	Not Required
Oregon	Required	Required	Required* Specific Set of Nutrients & Label Format
Washington	Required	Required	Not Required

OLCC - Oregon



- The Oregon Liquor Control Commission (OLCC) oversees the recreational cannabis industry in Oregon.
- OLCC evaluates and approves medical and recreational marijuana and hemp packages and labels.
- Recreational marijuana product forms: edibles, topicals, tinctures, capsules, concentrates, or extracts.
- In Oregon, a “cannabinoid edible” means a food or beverage into which cannabinoid concentrate, cannabinoid extract or dried marijuana leaves or flowers have been incorporated.
- In Oregon, recreational edibles have max THC limit of 5mg per serving and 50mg per container.





Required Packaging Information

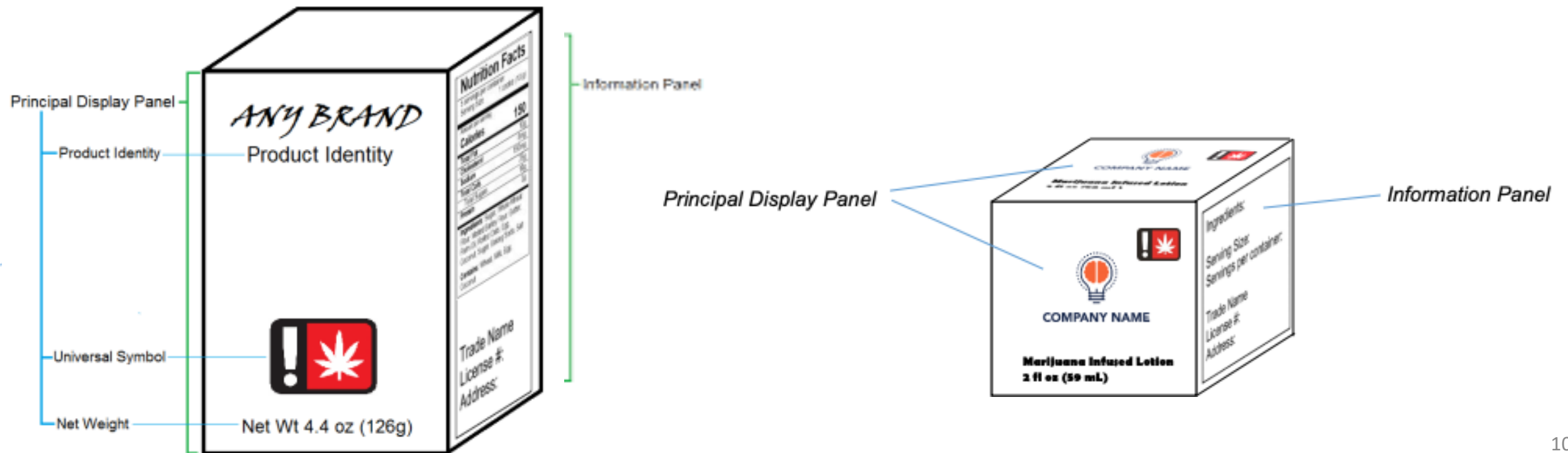
Every Product Label Must Contain

- A principal display panel (PDP) with:
 - **Product Identity:** The common name for the product that informs consumer what they are purchasing.
 - **Net Weight:** must be listed in both Metric units (i.e. milligrams or milliliters) and U.S. Customary units (i.e. ounces or fluid ounces)
 - **Universal symbol:** must be in color and at least 0.48 inches wide by 0.35 inches high.
- Information Panel OR PDP with:
 - All the information required by rule for the marijuana edibles



Principal Display Panel Defined

A **principal display panel (PDP)** is the portion of the package that is most likely to be seen by the consumer when on display for sale.





Product Identity Defined

- The common name for the product that informs consumer what they are purchasing.
- Must be listed on the PDP

The August 15, 2018 Packaging and Labeling Update Added:

- The product identity must clearly identify whether the item is derived from marijuana or hemp. An item that contains both industrial hemp and marijuana must identify the item as a marijuana item.
- The product identity for cannabinoid extracts and concentrates must correctly identify whether the product is an extract or a concentrate.



Packaging Symbols

Universal Symbol	Hemp Symbol	Medical Grade Symbol
<p>The universal symbol indicates that the product contains cannabis. The Universal Symbol is required on all cannabis products being sold in Oregon dispensaries or OLCC retail shops.</p> <p>Must Be Listed on the PDP</p>	<p>If the product contains only industrial hemp, you must use the hemp symbol. However, if your product contains any marijuana as defined by OLCC rule, you must use the universal symbol.</p> <p>Must Be Listed on the PDP</p>	<p>If a licensee is making a medical-grade product (one that is intended for OMMP patients only) the product will need to include the Medical Grade Symbol. The medical-grade symbol is used in addition to the universal symbol.</p> <p>Must Be Listed on the PDP</p>





NOTE! Universal Symbols Vary by State

Colorado



Oregon



California



**Massachusetts
& Maine**



CA

Michigan



Washington



Nevada



CONTAINS THC



Additional Label Information

- Processor's business / trade name
- Processor's OLCC license number
- Business/trade name of business that packaged item, if different than processor
- Place of Address for Processor and Packager
- UID number
- Date product was made
- Name of lab that performed any test
- All test analysis dates
- Activation Time
- Amount, in milligrams, of THC and CBD in each serving
- Amount, in milligrams, of THC and CBD in the entire container



Additional Statements

- Required Warnings: “For use only by adults 21 and older. Keep out of reach of children. Do not drive a motor vehicle while under the influence of marijuana.”
- “**BE CAUTIOUS**” in bold, capital letters, followed by “Cannabinoid edibles can take up to 2 hours or more to take effect.”
- A statement that reads: “This product is not approved by the FDA to treat, cure, or prevent any disease.”
- If perishable, a statement that edible must be refrigerated/frozen



Nutrition Facts Panel

- Nutrition Information (Calories, Total Fat, Cholesterol, Sodium, Total Carbs, Sugars, Protein)
 - Must be listed even if the amount per serving is zero
- Serving Size
- Servings per Container
- List of Ingredients
- Allergen Information



Information Panel

The list of ingredients and the nutrition information should go on the information panel, which is typically to the right of the principal display panel (when looking at the principal display panel), depending on the type of package used.



Nutrition Facts Panel Variations

Nutrition Facts	
1 servings per container	
Serv. Size: 1 Brownie (52g)	
Amount per serving	
Calories	199
Total Fat	12g
Cholesterol	31mg
Sodium	16mg
Total Carb.	26g
Total Sugars	18g
Protein	3g
Ingredients: Sugar, Butter, Egg Whites, Flour, Cocoa Powder, THC Concentrate.	
Contains: Egg, Milk, Wheat.	

Standard/Vertical:
Should be used on most labels.

Nutrition Facts		Amount/serving	Amount/serving	
1 servings per container	Total Fat	12g	Total Carb.	26g
Serv. Size: 1 Brownie (52g)	Cholesterol	31mg	Total Sugars	18g
Calories	Sodium	16mg	Protein	3g
per serving	199			
Ingredients: Sugar, Butter, Egg Whites, Flour, Cocoa Powder, THC Concentrate.				
Contains: Egg, Milk, Wheat.				

Tabular: Can be used on containers that do not have enough space to fit a Standard label.

Nutrition Facts	Servings:1, Serv. Size: 1 Brownie (52g),
Amount per serving: Calories 199, Total Fat 12g, Cholest. 31mg, Sodium 16mg, Total Carb. 26g, Total Sugars 18g, Protein 3g.	
Ingredients: Sugar, Butter, Egg Whites, Flour, Cocoa Powder, THC Concentrate.	
Contains: Egg, Milk, Wheat.	

Linear: Can be used on containers that do not have enough space to fit a Standard label.



List of Ingredients

- Reported within the label
- Listed in descending order by weight
- Common names (Example: sugar instead of sucrose)
- Correctly identify the type of marijuana item or industrial hemp ingredient


Total Sugars	1g
Protein	2g
Ingredients: Sugar, Cannabutter (Butter, Marijuana), Eggs, Enriched Wheat Flour Bleached (Wheat Flour, Niacin, Ferrous Sulfate, Thiamin Mononitrate, Riboflavin, Folic Acid), Cocoa Powder, Vanilla Extract, salt, Baking Powder.	
Contains: Egg, Milk, Wheat.	



Allergen Statement

List major food allergens, as appropriate

- Allergens include milk, egg, fish, crustacean shellfish, tree nuts, wheat, peanuts, or soybeans.
- Use the specific food name for nuts, fish or crustacean shellfish and not the category of allergen.

Total Sugars	12g
Protein	2g
	
Ingredients: Sugar, Cannabutter (Butter, Marijuana), Eggs, Enriched Wheat Flour Bleached (Wheat Flour, Niacin, Ferrous Sulfate, Thiamin Mononitrate, Riboflavin, Folic Acid), Cocoa Powder, Vanilla Extract, salt, Baking Powder.	
Contains: Egg, Milk, Wheat.	



Nutrition Analysis Requirements

You do not need to submit your nutrient analysis to the OLCC. However, documentation that demonstrates the validity of the calculations must be available upon request.

Accepted Nutrition Analysis Methods

- Database Analysis
- Lab Analysis
- Combination of Database and Lab Analysis



Genesis R&D

- ✓ Recipe Formulation
- ✓ Nutrition Analysis
- ✓ THC/CBD Tracking
- ✓ Ingredient List
- ✓ Allergen Statements
- ✓ Nutrition Facts Label
- ✓ Packaging Symbols
- ✓ Additional Information

ESHA Research, Inc.
OR Brownie Edibles

Product Identity:	Brownie	
UID #	02020720	
Date Made:	08/17/2020	
Business Name:	Lil Bud's Bakery	
Package's Business Name:	Lil Bud's LLC	License # 2020000001
Address:	123123 Roads St. Portland, OR 97200	
Processor's Business Name:	TLC Processors	License # 2020000002
Address:	50021 Main St. Portland, OR 97202	
Lab Name:	QLT Labs	
Test Analysis:		Date: 02/15/2020
Test Analysis:		Date: 02/15/2020
Package & Serving Size Information		
	US:	Metric:
Package Net Weight:	2.1 oz	60g
Package Net Volume:	2 each	
Serving Size:	1 brownie (30g)	
Servings Per Container:	2	
	Per Serving:	Per Container:
THC Amount (mg):	4.00	8
CBD Amount (mg):	0.50	1
Activation Time:	30 min	

Nutrition Facts	
16 servings per container	
Serv. Size:	1 Brownie (32g)
<hr/>	
Amount per serving	
Calories	127
Total Fat	7g
Cholesterol	39mg
Sodium	99mg
Total Carb.	17g
Total Sugars	13g
Protein	2g
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Ingredients: Sugar, Butter, Eggs, Wheat Flour, Cocoa Powder, Salt, Baking Powder, THC Concentrate.	
Contains: Egg, Milk, Wheat.	





Genesis R&D for Nutrition Analysis

INGREDIENTS

- Use ESHA Database items or enter your own ingredients from supplier spec sheets
- Find/Replace – accommodates supplier changes and reformulations

RECIPES

- Create unlimited number of recipes
- Revisions to recipes
- Set serving size
- Moisture adjustments to account for processing

QUESTIONS?



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HELPFUL RESOURCES

LinkedIn: [linkedin.com/company/esha-research/](https://www.linkedin.com/company/esha-research/)

eLearning Center: esha.com/resources/esha-elearning-center/

Blog: esha.com/blog

eNewsletter: esha.com/esha-newsletter



Resources

- ESHA Cheat Sheet – [Marijuana Edibles Labeling Checklist](#)
- OLCC – [General Requirements Applicable to All Marijuana Licensees](#)
- OLCC – [Packaging and Labeling](#)
- OLCC – [Packaging and Labeling Guide for Medical and Recreational Marijuana](#)