WEBINAR

Genesis R&D Foods
Version 11.8 Update Overview

Presented by ESHA Research

Wednesday, June 24, 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
- Formulation Analysis
- Menu Analysis
- Reporting
- Regulatory Compliance
Upcoming Webinars

**August 19, 2020 | What You Need to Know about Cannabis Labeling in Oregon**
Proper labeling of your retail cannabis products is crucial for maintaining compliance in Oregon. During this webinar, we will review the OLCC Packaging and Labeling rules for Recreational Marijuana edibles. We will also demonstrate how Genesis R&D Food Formulation & Labeling software can assist users with product formulation, recipe nutrition analysis, and regulatory compliance.

**September 16, 2020 | Health Canada Nutrition Labelling Regulations Review**
On December 14th, 2016 Health Canada released new food labeling regulations. During this webinar, we will provide an overview of the new Health Canada nutrition labelling regulations, including the changes to the nutrition facts table layout, list of ingredients, serving size, sugar information, and more. We will also demonstrate how to create compliant Nutrition Facts tables in Geneiss R&D Foods.

**October 14, 2020 | Tracking and Disclosing Sulfites Using Genesis R&D Foods**
The FDA requires that products containing 10 ppm (parts per million) or more of sulfiting agents must declare the presence of sulfites on the product label. During this webinar, we will walk users through the steps for entering, tracking, and declaring sulfites on your product label.

To register or view archived webinars visit: www.esha.com/news-events/webinars
Please Note!

✓ The webinar is being recorded
✓ All webinars available on our website
✓ Submit your questions in the GoToWebinar control panel
✓ We’ll email a copy of the recording and the slides following the webinar
What we’ll cover today

• New Nutrients
• Nutrients to View
• Sulfites Reporting
• Spec Sheet Reports
• Cannabis Edibles Label
• Q&A
Genesis R&D Food – Version 11.8

• Rolling out over the next few weeks
• Check your version by clicking **About** from the home tab

Contact [sales@esha.com](mailto:sales@esha.com) if you have any questions about your account
Nutrients Added

- Lactitol (g)
- Maltitol (g)
- Sulfites (ppm)
- Sulfites (mg)
- CBD (mg)
- THC (mg)
Nutrients to View Sets Added and Updated

• Label - US 2016 Mandatory and Sulfites
• Label - US 2016 All – updated to include Sulfites
• Label - US Cannabis OR
Sulfites – Detectable Amount

Genesis R&D Update
• Features for tracking and declaring sulfites have been added
• *Note* - this is not a new regulation; these features were implemented to help accommodate working with the requirements

Regulation
• 101.100: Exemptions From Food Labeling Requirements
• (a)(3) Discusses incidental additives – occurring at insignificant levels and have no technical function in the finished food
• Sulfites have a defined detectable amount of ≥10 ppm

101.100(a)(4) For the purposes of paragraph (a)(3) of this section, any sulfiting agent (sulfur dioxide, sodium sulfite, sodium bisulfite, potassium bisulfite, sodium metabisulfite, and potassium metabisulfite) that has been added to any food or to any ingredient in any food and that has no technical effect in that food will be considered to be present in an insignificant amount only if no detectable amount of the agent is present in the finished food. A detectable amount of sulfiting agent is 10 parts per million or more of the sulfite in the finished food.
Sulfites – Viewing and Reporting

View sulfites information in the Ingredient record, the Recipe view, and on reports.
Reporting Sulfites - Spreadsheet

- Populate Ingredient records with proper Sulfites content
- When you use the Ingredients in your Recipes, Sulfites are reported in ppm and mg
- View the Ingredient and Recipe detail on the Spreadsheet report
Sulfites Statement

• View Label and other reports with Labels
• Ingredient List

Bar Oat & Raisin
06/19/2020

Nutrition Facts

<table>
<thead>
<tr>
<th>Serving size</th>
<th>(40g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>150</td>
</tr>
<tr>
<td>% Daily Value</td>
<td></td>
</tr>
<tr>
<td>Total Fat</td>
<td>9g</td>
</tr>
<tr>
<td>Saturated Fat</td>
<td>3g</td>
</tr>
<tr>
<td>Trans Fat</td>
<td>5g</td>
</tr>
<tr>
<td>Cholesterol</td>
<td>98mg</td>
</tr>
<tr>
<td>Sodium</td>
<td>110mg</td>
</tr>
<tr>
<td>Carbohydrate</td>
<td>22g</td>
</tr>
<tr>
<td>Dietary Fiber</td>
<td>1g</td>
</tr>
<tr>
<td>Protein</td>
<td>3g</td>
</tr>
<tr>
<td>Total Sugars</td>
<td>5g</td>
</tr>
<tr>
<td>Added Sugars</td>
<td>1g</td>
</tr>
</tbody>
</table>

INGREDIENTS: Rolled Oats, Agave Syrup, Golden Raisins (Raisins, Sulphur Dioxide as a preservative), Water, Coconut Oil, Chia Seeds, Hemp Seeds, Flax Seed Meal, Baking Powder, Baking Soda, salt. This product contains sulfiting agents.

Ingredient List:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
<th>Include in Print/Export</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rolled Oats</td>
<td>30.30</td>
<td></td>
</tr>
<tr>
<td>Agave Syrup</td>
<td>22.02</td>
<td></td>
</tr>
<tr>
<td>Golden Raisins</td>
<td>10.64</td>
<td>(Raisins, Sulphur Dioxide as a preservative)</td>
</tr>
<tr>
<td>Water</td>
<td>9.45</td>
<td></td>
</tr>
<tr>
<td>Coconut Oil</td>
<td>8.68</td>
<td></td>
</tr>
<tr>
<td>Chia Seeds</td>
<td>5.58</td>
<td></td>
</tr>
<tr>
<td>Hemp Seeds</td>
<td>2.66</td>
<td></td>
</tr>
<tr>
<td>Flax Seed Meal</td>
<td>1.86</td>
<td></td>
</tr>
<tr>
<td>Baking Powder</td>
<td>0.31</td>
<td></td>
</tr>
<tr>
<td>Baking Soda</td>
<td>0.31</td>
<td></td>
</tr>
<tr>
<td>salt</td>
<td>0.20</td>
<td></td>
</tr>
</tbody>
</table>

Ingredient Statement:

INGREDIENTS: Rolled Oats, Agave Syrup, Golden Raisins (Raisins, Sulphur Dioxide as a preservative), Water, Coconut Oil, Chia Seeds, Hemp Seeds, Flax Seed Meal, Baking Powder, Baking Soda, salt. This product contains sulfiting agents.
Spec Sheet Reports

- Available for Ingredients and Recipes
- Per 100g by default or can use selected gram weight
- Nutrients from selected Nutrients to View
- Ingredient and Allergen Statements
- Date, comment, and signature lines available
Oregon Cannabis Label for Edibles

• OLCC Regulations
• Additional Module
• Contact ESHA Sales for more information sales@esha.com
• Stay tuned for webinar on this specific topic

Nutrition Facts

2 servings per container

Serv. Size: 1 each (30g)

Amount per serving

Calories 119
Total Fat 6g
Cholesterol 35mg
Sodium 48mg
Total Carb. 16g
  Total Sugars 12g
Protein 2g

Ingredients: Sugar, Cannabutter (Butter, Marijuana), Eggs, Enriched Wheat Flour Bleached (Wheat Flour, Niacin, Ferrous Sulfate, Thiamin Mononitrate, Riboflavin, Folc Acid), Cocoa Powder, Vanilla Extract, salt, Baking Powder.
Contains: Egg, Milk, Wheat.
Genesis R&D Training

Genesis R&D Training | July 14-16, 2020 | web-based
Professional and/or Advanced training session. The first two days cover the fundamentals of the Genesis R&D Food program: creating ingredients, building recipes/formulas, nutrition analysis and reporting, labeling, and best practices. In addition, you can attend a third day of Advanced instruction, or just attend the Advanced session as a single day. Advanced training presents more complex scenarios and more comprehensive regulatory issues.

Genesis R&D Training: Canadian Labeling | July 29-30, 2020 | web-based
Professional training session with Canadian labeling. This two-day class cover the fundamentals of the Genesis R&D Food program: creating ingredients, building recipes/formulas, nutrition analysis and reporting, labeling, and best practices. In addition, the labeling instruction focuses on Canadian labeling regulation and creation.

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Contact training@esha.com with any questions.
See the Full 2020 Schedule: https://www.esha.com/news-events/training-schedule/
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