



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.

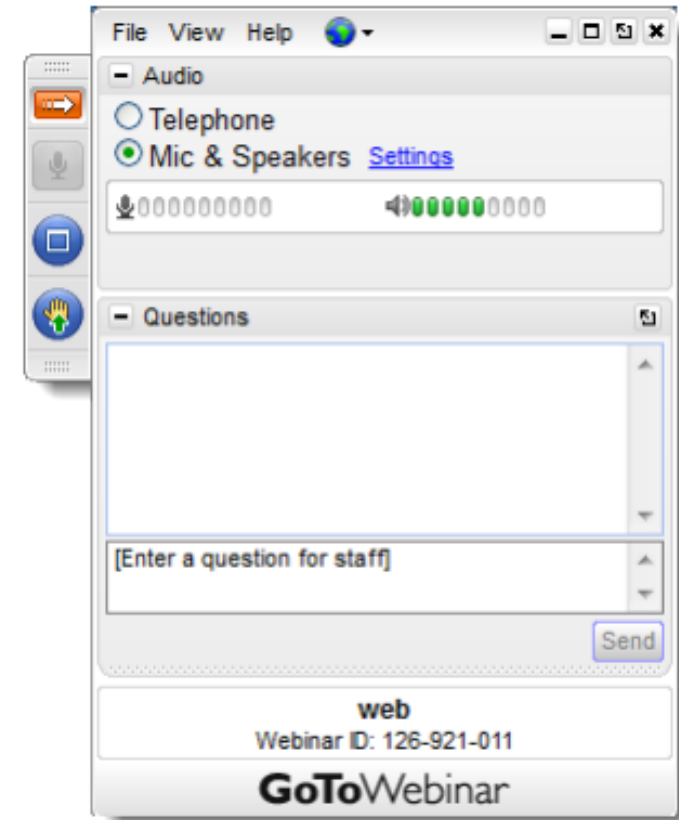
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Please Note!

- ✓ 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

WEBINAR



What we'll cover today

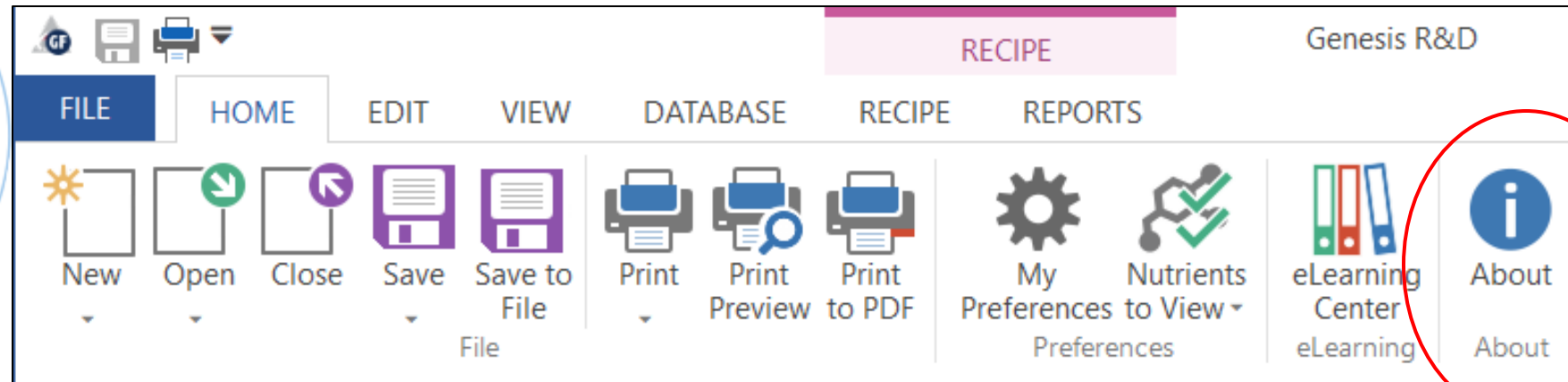
- New Nutrients
- Nutrients to View
- Sulfites Reporting
- Spec Sheet Reports
- Cannabis Edibles Label
- Q&A





Genesis R&D Food – Version 11.8

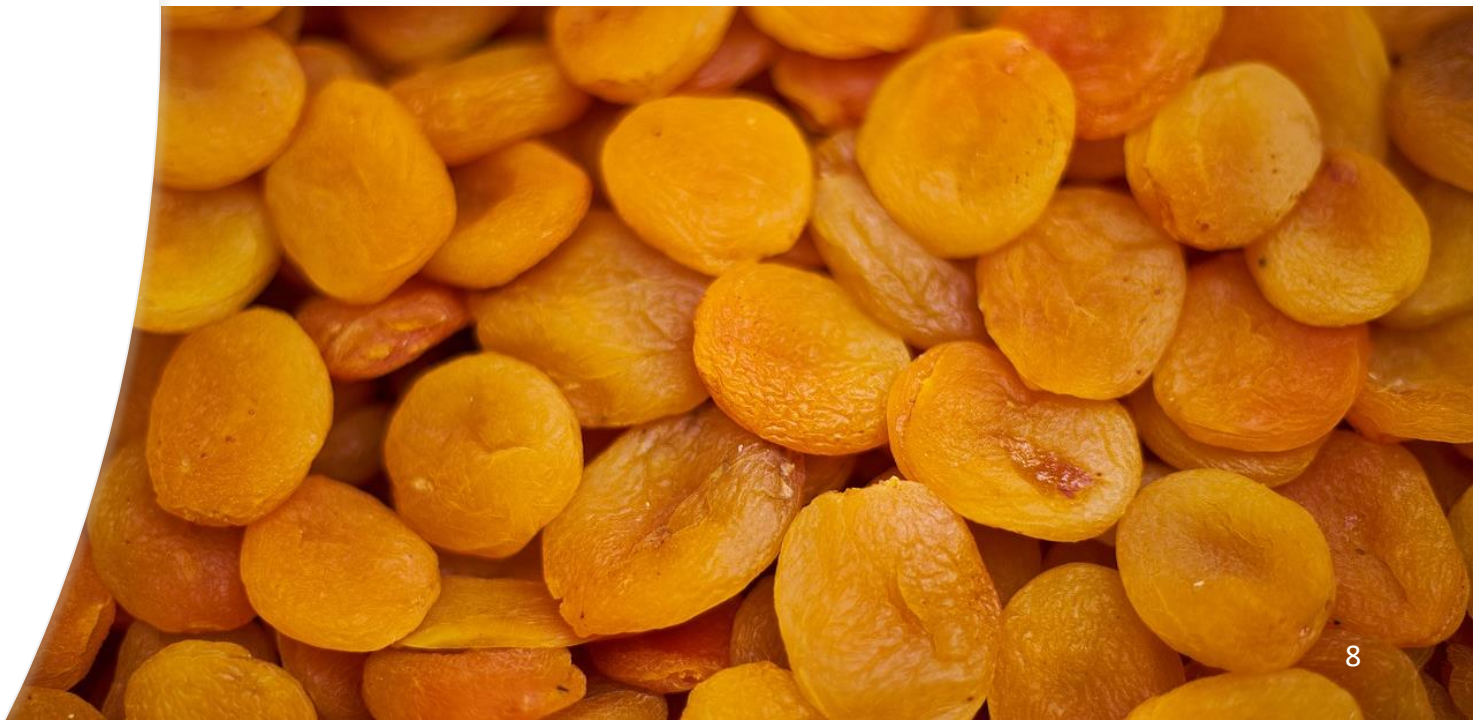
- Rolling out over the next few weeks
- Check your version by clicking **About** from the home tab



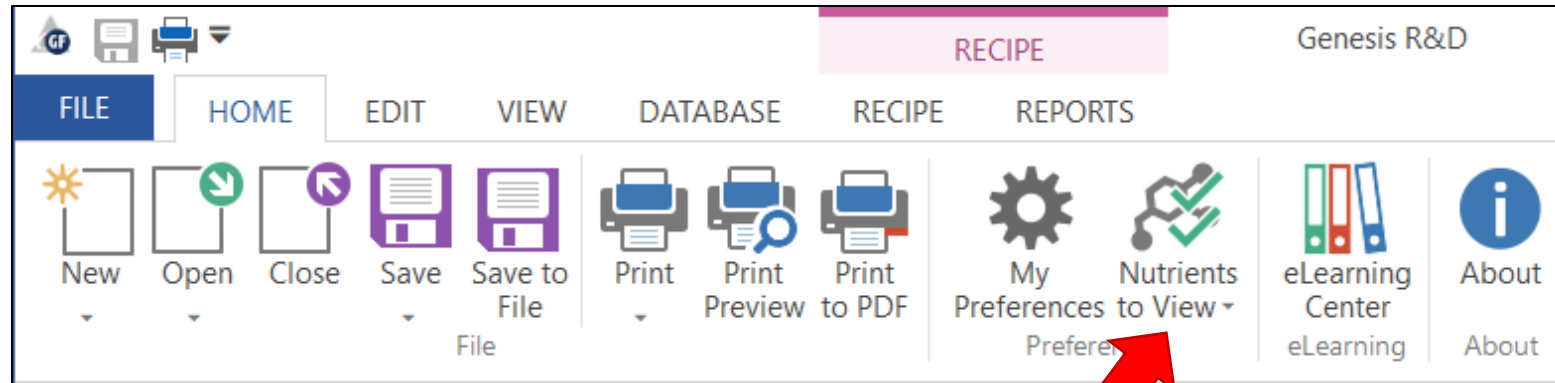
Contact sales@esha.com if you have any questions about your account

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

Ingredient: raisins, seedless, golden with sulfites

Selected Nutrients to View: Label - Canada 2016 Mandatory
*%DV based on US Label 2016 standards.
Nutrient values based on 100.00 grams

Nutrients	Value	% DV*
Basic Components		
Calories (kcal)	302.00	
Fat (g)	0.46	0.5
Calories from SatFat (kcal)	1.36	
Trans Fatty Acid (g)	0	
Cholesterol (mg)	0	
Carbohydrates (g)	79.52	28.9
Dietary Fiber (2016) (g)	4.00	14.2
Total Sugars (g)	59.19	
Added Sugar (g)	0	
Protein (g)	3.39	6.7
Vitamins		
Vitamin D - mcg (mcg)	0	
Minerals		
Sodium (mg)	12.00	0.5
Calcium (mg)	53.00	4.0
Iron (mg)	1.79	9.9
Potassium (mg)	746.00	15.87
Other Nutrients		
Sulfites - ppm (ppm)	50.00	
Sulfites - mg (mg)	5.00	

Show All Nutrients Alphabetize Nutrients Auto Calculations

Decimal Places: 2

Recipe: Webinar Bar Sulfites

Search [Number of Servings: 18.8 \(40 g per serving\)](#)
Weight: 752.02 g [Cost:](#)

Item Name	Quantity	Measure	ESHA Code	Total Weight (g)	Gov. Code	Product	Sulfites-... (ppm)	Sulfites-... (mg)
oatmeal, instant, plain, dry, fortified	288	Gram	90075	288.00	8122	USDA	--	--
water, municipal tap	71.04	Gram	20041	71.04	14429	USDA	--	--
flaxseeds, ground	14	Gram	41453	14.00	12220	USDA	--	--
chia seeds, dried	42	Gram	4610	42.00	12006	USDA	--	--
hemp seeds, hulled	20	Gram	89981	20.00	12012	USDA	--	--
baking powder, double acting, straight phosphate	2.3	Gram	28046	2.30	18370	USDA	--	--
baking soda	2.3	Gram	28003	2.30	18372	USDA	--	--
salt, table	1.5	Gram	26014	1.50	2047	USDA	--	--
syrup, agave	165.6	Gram	52654	165.60	19912	USDA	--	--
oil, coconut	65.28	Gram	8037	65.28	4047	USDA	--	--
raisins, seedless, golden with sulfites	80	Gram		80.00		USDA	50.00	4.00

View sulfites information in the Ingredient record, the Recipe view, and on reports



Reporting Sulfites - Spreadsheet

Spreadsheet: Webinar Bar Sulfites *

Item Name	Quantity	Measure	Calc (mg)	Iron (mg)	Pot (mg)	Sulfites-... (ppm)	Sulfites-... (mg)
Webinar Bar Sulfites	1	Serving	82.03	4.19	116.13	1.06	0.04
oatmeal, instant, plain, dry, fortified	15.3187	Gram	53.77	3.79	56.07	--	--
water, municipal tap	0.015957	Cup	0.11	0	0.04	--	--
flaxseeds, ground	0.10638	Tablespoon	1.90	0.04	6.05	--	--
chia seeds, dried	0.013298	Cup	14.10	0.17	9.09	--	--
hemp seeds, hulled	0.10638	Tablespoon	0.74	0.08	12.77	--	--
baking powder, double acting, straight phosphate	0.026595	Teaspoon	9.01	0.01	0.01	--	--
baking soda	0.026595	Teaspoon	0	0	0	--	--
salt, table	0.013298	Teaspoon	0.02	0.00	0.01	--	--
syrup, agave	0.026595	Cup	0.09	0.01	0.35	--	--
oil, coconut	0.015957	Cup	0.03	0.00	0	--	--
raisins, seedless, golden with sulfites	4.25521	Gram	2.26	0.08	31.74	10.00	0.04
Total	1	Serving	82.03	4.19	116.13	1.06	0.04
% Recommendation (US Label Adult (2016))			6.31	23.26	2.47		

- 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	
servings per container	
Serving size	(40g)
Amount per serving	
Calories	150
	% Daily Value*
Total Fat 6g	8%
Saturated Fat 3g	15%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 110mg	5%
Total Carbohydrate 22g	8%
Dietary Fiber 1g	4%
Total Sugars 9g	
Includes 6g Added Sugars	12%
Protein 3g	
Vitamin D 0mcg	0%

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.

Ingredients by Percent Weight Include in Print/Export

Percentage	Ingredient
38.30	Rolled Oats
22.02	Agave Syrup
10.64	Golden Raisins (Raisins, Sulphur Dioxide as a preservative)
9.45	Water
8.68	Coconut Oil
5.58	Chia Seeds
2.66	Hemp Seeds
1.86	Flax Seed Meal
0.31	Baking Powder
0.31	Baking Soda
0.20	salt


Ingredient Statement: Include in Print/Export

INGREDIENTS: Rolled Oats, Agave Syrup, Golden Raisins (Raisins, Sulphur Dioxide as a preservative), Water, Coconut Oil, 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

**ESHA Research, Inc.**
Bar Oat & Raisin

Date: 06/15/2020
User Code: 20200615 WBOR
Product/Supplier: WebinarBar / Webinar, Inc.

Nutrients Per: 100 gram
Measure:
1 Serving = 40 g

Nutrient	Amount	Unit	Nutrient	Amount	Unit
Calories	368.40	kcal	Protein	7.05	g
Fat	15.19	g	Vitamin D - mcg	0	mcg
Calories from SatFat	72.61	kcal	Sodium	273.41	mg
Trans Fatty Acid	0.02	g	Calcium	205.07	mg
Cholesterol	0	mg	Iron	10.47	mg
Carbohydrates	55.09	g	Potassium	290.31	mg
Dietary Fiber (2016)	3.01	g	Sulfites - ppm	1.06	ppm
Total Sugars	21.92	g	Sulfites - mg	0.11	mg
Added Sugar	14.98	g			

Ingredient Statement:
Rolled Oats, Agave Syrup, Golden Raisins, Water, Coconut Oil, Chia Seeds, Hemp Seeds, Flax Seed Meal, Baking Powder, Baking Soda, salt.

Allergen Statement:
May also contain Gluten, Sulphites.

Comments:
Packaging: 6 count; Case weight: 32 lbs

Signature:
Signature Date:



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)
<hr/>	
Amount per serving	
Calories	119
<hr/>	
Total Fat	6g
Cholesterol	36mg
Sodium	49mg
Total Carb.	16g
Total Sugars	12g
Protein	2g
<hr/>	
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.	





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.

Genesis R&D Training | August 25-27, 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.

Contact training@esha.com with any questions.

See the Full 2020 Schedule: <https://www.esha.com/news-events/training-schedule/>

QUESTIONS?



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