FORMULAS ONLINE:

REDUCING RETURNS



September 7, 2016

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REDUCING RETURNS

- FONL
- Guidelines
- Errors / Mistakes
- Paper → Electronic Submissions
- Questions



FONL



- Basic questions read through New Users Webinar
 - Available on TTB.gov
- If just starting submit 1 formula and see how it goes.
- Complex submission may want to submit by paper.



- Alcohol Beverage Use Box
 - If used, it must be filled out completely.

Alcoholic Beverage Use———————————————————————————————————		
□ Product Contains Natural Flavoring □ Product Contains > 0.1% Artificial Flavoring (excludes Vanillin, Ethyl Vanillin, Maltol, Ethyl Maltol)	TTB PARTS PER MILLION MILLION	
 □ Product Contains Color Additive □ All FDA Approved Ingredients Are Without Limitation 	Synthetic Vanillin:	
	Ethyl Vanillin: Synthetic]
	Maltol:]



- Limited Ingredients
 - All must be disclosed.
 - Cannot be included in a group.
 - If an ingredient contains any limited
 - ingredient, 'Yes' must be chosen and quantities included.
 - Even if spec sheet states the amount.

* Ingredient Name:	Disapproved Intermediates — Nat Raspberry Flavor	
* Weight (LB):	4.1	
* Volume (GAL):	0.51	
* Eligible Alcohol (%):	5	
* Total Alcohol (%):	5	
TTB Formula ID:	Clear	Select
Company Code:	WLF	
Company Formula #:	12	
* Contains Colors:	No Y	_
* Limited Ingredients:	Yes 🗸	
* Names and % by Weight:		



- Grouping Ingredients
 - TTB and FDA limited ingredients must be listed separately.
 - Provide weight of predominant ingredients in group, not %.

Inc	GREDIENTS BY GRO	UP		
	CHEMICAL CLASS			Predominant Chemicals
	Name	TOTAL WEIGHT (LB)	NATURAL / ARTIFICIAL	NAME, FEMA #, WEIGHT (LB)
	<u>Esters</u>	.09	Natural	Ethyl Butyrate, FEMA #2427, 0.05lbs



- Intermediates
 - All information must match technical data sheet or TTB's records.
 - Name, alcohol content (by volume), limited ingredients, etc.
 - Mid-point of total alcohol value should be used.
 - Exception 1% solutions where the actual alcohol content is known.



Process Type:

- Process Types
 - Simple Mixture
 - Theoretical and Actual Yields are the same (no loss of materials).

Simple Mixture

Washed Extracts

Filtration

Other

- Filtration
 - A small loss during manufacturing is expected.
- Washed Extract
 - Soluble check box must be checked for soluble ingredients otherwise the system cannot calculate the total alcohol content.
 - Volume of liquid components is required.



* Process Type:

- Process Types
 - Other
 - Should only be used if the product does not fit under the other process type options.

Simple Mixture

Washed Extracts

Filtration

Other

- Must fill in all information (yields, density, alcohol, etc).
- Yield Calculations
 - Actual and theoretical should not be the same.
- Be sure the theoretical yield matches the sum of ingredients.



- Manufacturing Process
 - If using the process type of Filtration,
 Washed Extract, or Other...
 - Manufacturing information must be included in the Formula Information and Process field (on the Formula tab).

Formula Information and Process:	
	^
	V
Unlimited	



- Density
 - Be sure the densities of intermediates and the final product are correct.

Ingredient	Pounds/gallon	grams/milliliter (also kilograms/liter)
Water	8.3282	1.0000
200 proof Ethanol	6.6097	0.7936
190 Proof Ethanol	6.7943	0.8141
Propylene Glycol	8.6300	1.0360

^{*} All density values are at 60° F



- Botanicals
 - Dry or wet?
 - Provide moisture content
 - Include volume of water in alcohol calculations (may have to use 'Other' process type).



GUIDELINES



- Technical Data Sheets / Spec Sheets / FIDs
 - Ingredients that do not require extra documentation:
 - Ingredients derived from a single source that do not contain limited or prohibited ingredients, added colors, nor alcohol.
 - Examples: Cinnamon, juniper berries, vanilla beans, parsley, lemon peel, orange oil, cherry juice, etc.



- Technical Data Sheets / Spec Sheets / FIDs
 - Ingredients that require a technical data sheet:
 - Ingredients derived from a single natural source that may contain limited ingredients, colors, and/or alcohol.
 - Includes extracts, essences with high alcohol content (above 7% v/v)*, distillates and solid extracts.
 - Examples: apple essence, cherry distillate, alcohol extract of lemon peels, fenugreek solid extract (with PG and caramel color)
 - Compounded flavor with no TTB#.

^{*} If the essence (regardless of alcohol content) is the only natural source of the naming flavor, we reserve the right to request a spec sheet.



- Technical Data Sheets / Spec Sheets / FIDs
 - Documentation Required:
 - Technical data sheet that lists the ingredients and describes production.
 - Must disclose the solvent, limited ingredients with quantities, and any coloring materials.
 - Must be from manufacturing company.

TECHNICAL DATA SHEET

Manufacturing Company Letterhead

Name of Product: St. John's Bread Solid Extract

IDENTIFICATION

Description: Solid Extraction of St. John's Bread

Botanical Source (if applicable):

FEMA # (if applicable): 2243

CAS No (if applicable): 84961-45-5

COMPONENTS

Solvent/Carrier: Propylene Glycol, Water

Flavor:

Other: Corn Syrup

SPECIFICATIONS

Alcohol by volume: 0% ABV

Density/Specific Gravity: 1.234 g/mL

LIMITED INGREDIENTS AND COLORS

Limited Ingredients (names and quantities): Propylene Glycol: 10 – 15%w/w

Colors (either 'none' or declared): Caramel Color

REGULATORY STATUS (CFR Reference or FEMA number or GRN No.)

 St. John's Bread:
 21 CFR 182.20

 Propylene glycol:
 21 CFR 184.1666

 Corn Syrup:
 21 CFR 184.1865

MANUFACTURING PROCESS

St. John's Bread is mixed with propylene glycol at a ratio of 1: 5, after one week of maceration the PG is mostly removed by evaporation of the fluid part



- Technical Data Sheets / Spec Sheets / FIDs
 - Ingredients that require TTB approval
 - Compounded flavors consists of multiple ingredients
 - Provide TTB Company Code and Company Formula Number (TTB #) or FIDs



- Ingredient Information
 - Provide all required information
 - Examples:
 - Ginseng extracts
 - » American Ginseng GRAS up to 30% ABV
 - Bitter Almond Oil must be prussic acid free
 - Cherry pits prussic acid
 - Wormwood, oakmoss, cedar thujone
 - Woodruff coumarin



- Ingredient Information
 - Provide all required information
 - Examples:
 - Cinchona alkaloids
 - Licorice glycyrrhizin
 - St. Johnswort hypercin free
 - Star Anise provide species name
 - » Chinese star anise (Illicium verum) GRAS
 - » Japanese star anise (Illicium anisatum) toxic
 - Refer to the Limited Ingredient page on TTB.gov



Naming

- Must be N&A if it contains any artificial ingredients, even if it is considered 'TTB Natural.'
- WONF should not be included if the products contain any artificial ingredients.
- If WONF is used, natural still must be included.



- Vanillin
 - Natural vs. Artificial
 - Refer to the Drawback Tutorial
 - If using a natural vanillin product listed in the Drawback Tutorial, the name of the product must be provided (or a spec sheet).



ERRORS / MISTAKES



REDUCING RETURNS — ERRORS / MISTAKES

- Needs Corrections changes
 - Must be recorded within the formula itself if possible



REDUCING RETURNS — ERROR / MISTAKES

- Fitness
 - Refer to the appropriate guideline.
 - The more specific the better.
 - We can process the submission much faster if this information is correct.
 - High end of total alcohol range must be used in calculations.

Unfit for Beverag	je Statement:	
Propylene Glyco:	l = 56.2% v/v	^
		~
971 characters I	eft	



REDUCING RETURNS — ERROR / MISTAKES

- Neither vs Natural or Artificial
 - Neither should be used for ingredients such as PG, glycerin ,water, and fixed acids.

@ https://int.ttbonline.gov/?method=editIngredient¤tTa	ab=Formula&index=&type=Nonalcoholic&su - Internet Explorer	×
Ingredient		^
Nonalcoholic - Solids		
* Natural/Artificial:		
* Name:	Natural Artificial	
FEMA #:	Neither	
* Weight (LB):		
* Additional Information:		
Limited Ingredients:	$\overline{}$	П
OK	Cancel	
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PAPER TO ELECTRONIC SUBMISSIONS



PAPER TO ELECTRONIC SUBMISSIONS

- Paper Submission Returned for Correction:
 - Resubmit by paper.
 - Cancel returned submission and create a new electronic submission.
 - Must reference original submission in Comments Tab and/or Docs/Links Tab.
 - Fill out Formula Tab as if an electronic submission.
 - System will not do any automatic calculations.
 - Most fields not marked as mandatory and system will not validate the submission the same way as an electronic submission.
 - Fields still must be completed (alcohol content, yields, etc.)



PAPER TO ELECTRONIC SUBMISSIONS

- Already Approved Paper Submission:
 - Create a new electronic submission.
 - Supersede the original submission.
 - Complete as a normal electronic submission.



QUESTIONS



FORMULAS ONLINE — REDUCING RETURNS

 Please send any questions to formulasonline@ttb.gov.