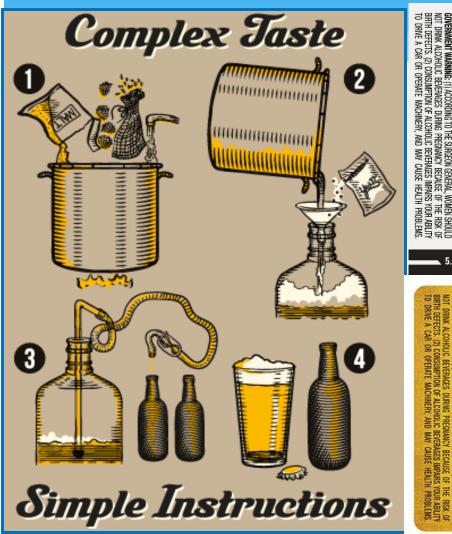
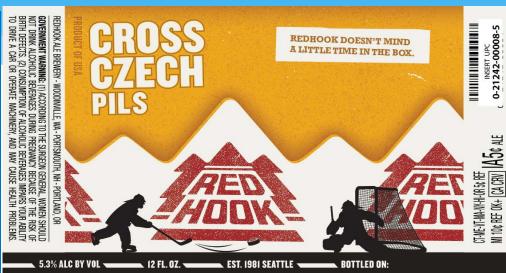
Federal formula and labeling requirements for malt beverages

Mary Rait
Regulatory Compliance Department
Craft Brew Alliance

What I'll cover







TTB's Statutory Mandates



- * To prevent consumer deception, and
 - To ensure that alcohol beverage labels provide consumers with adequate information as to the identity and quality of the product
 - Verify safety of ingredients
 - * Provide adequate consumer information
 - Prevent consumer deception
- * Collect the Revenue:
 - Ensure proper tax classification



June 5th News Flash!





Number: 2014-4

June 5, 2014

Ingredients and Processes Used in the Production of Beer Not Subject to Formula Requirements

- http://www.ttb.gov/beer/beer-rulemaking.shtml
- Result of 2006 Brewers Association Petition, subsequent industry requests and an unprecedented surge in formula approvals!

Before TTB 2014-2 Formula Not Needed for:

- Lactose
- Brown Sugar and candy sugar as fermentable ingredients
- New wood aging (oak spirals, shavings, etc.)

Exempt Fruits (whole, juice, puree or concentrate) because of 2014-2

- Apples
- Apricots
- Blackberries
- Blueberries
- Cherries
- Cranberries
- Juniper berries

- Lemons
- Oranges
- Peaches
- Pumpkins
- Raspberries
- Strawberries

Exempt Spices because of 2014-2

- Allspice
- Anise
- Pepper/peppercorns
- Cardamom
- Cinnamon
- Clove
- Cocoa (powder or nibs)

- Coriander
- Ginger
- Nutmeg
- Orange or lemon peel or zest
- Star anise
- Vanilla (whole bean)

Other exempt ingredients because of 2014-2

- * Brown Sugar*
- * Candy (candi) sugar*
- * Chili Peppers
- * Chocolate
- * Coffee (beans/grounds)

- * Honey
- * Maple Sugar/Syrup*
- * Molasses/ blackstrap molasses*
- * Lactose

*When brewers use these ingredients in the **fermentation** of a malt beverage, the designation is not required to refer to these ingredients. Instead, the malt beverage may be labeled as a "beer" or "ale" and so forth.

Processes Now Determined to be Traditional in 2014-2

- Aging beer in plain barrels or with plain woodchips, spirals or staves made of any type of wood.
- Aging beer in barrels, containing no discernible quantity of wine or distilled spirits, that were previously used in the production or storage of wine or distilled spirits.
- Aging beer with woodchips, spirals or staves derived from barrels, containing no discernible quantity of wine or distilled spirits, that were previously used in the production or storage of wine or distilled spirits, or with woodchips, containing no discernible quantity of wine or distilled spirits, that were previously used in the aging of wine or distilled spirits.

Review SOC Examples

Description of product	Examples of statements of composition that will continue to be allowed as designations in accordance with trade understanding under this ruling.	Examples of adequate designations in accordance with trade understanding.	Examples of inadequate and misleading designations.* (Examples of inadequate designations are in black and misleading designations are designated as such and appear in red.)
Beer brewed with cherry juice	Beer brewed with cherry juice Malt beverage fermented with natural flavor (Kriek may be added as optional additional information.)	Fruit beer Cherry beer (Kriek may be added as optional additional information.)	Cherry delight Kriek Bob's Beer Beer Malt beverage
Beer with cherry juice added after fermentation	Beer flavored with cherry juice Malt beverage with natural flavor added (Kriek may be added as optional additional information.)	Fruit beer Cherry beer (Kriek may be added as optional additional information.)	Cherry delight Kriek Bob's Beer Misleading designation: Beer brewed with cherry juice
Stout brewed with pumpkins and cherry concentrate	Stout brewed with pumpkins and cherry juice Malt beverage fermented with fruit and fruit concentrate Stout brewed with pumpkins and natural flavor	Fruit stout Pumpkin and cherry stout Pumpkin and fruit stout Pumpkin stout Cherry stout	Halloween pumpkin Stout Beer Malt beverage
Beer brewed with raspberry juice or with raspberry juice added after fermentation	Beer brewed [or flavored, as applicable] with raspberry juice Beer brewed [or flavored, as applicable] with natural flavor (Framboise may be added as optional additional information.)	Fruit beer Raspberry beer (Framboise may be added as optional additional information.)	Framboise Beer

Unless otherwise specified, designations that are inadequate as a designation in accordance with trade understanding may still be acceptable as additional
information or as part of a fanciful name, as long as an adequate designation in accordance with trade understanding appears on the label.

Formulas 27 CFR 25.55

- A "recipe" for your product
 - How you make it
 - What you put in it
 - When you put it in
- Required even if only selling in intrastate commerce
- Requires both fanciful name and statement of composition (SOC) on label
- May use Formulas Online or Paper Submission



What TTB looks for



- Colors
- Flavors and Flavor Ingredient Data Sheets
- GRAS ingredients (21 CFR 182)
- Restricted and Prohibited Ingredients
- Amount of alcohol added from flavorings









When are formulas required?

- Products to which non-exempt ingredients* or food products are added (bread, granola, seeds, etc.)
- Products to which alcoholic flavors and ingredients are added (except hops extract) – 27 CFR 25.55(a)(2)
- Products to which colors and flavorings are added
- Products that use soaked/infused wood chips with wine or distilled spirits
- For any products made "non traditionally" see 27 CFR 25.55(a)(1)(i) for examples

*May petition TTB for additional exemptions per §25.55(f)

Non-traditional processes

- Removal of any volume of water from beer;
- Filtration of beer to substantially change the color, flavor, or character;
- Separation of beer into different components;
- Reverse osmosis;
- Concentration of beer; or
- Ion exchange treatments.

Formula Basics

- Need a separate formula for each product
- One formula can be used for multiple products
- Formula must be filed and approved before you begin producing
- No formula is required for R&D but must have approved formula before marketing
- Formulas are valid until superseded, surrendered, revoked or terminated

Certified colors

- FD&C Blue #1 (Brilliant Blue FGF) (E 133)
- FD&C Blue #2 (Indigotine) (E 132)
- FD&C Green #3 (Fast Green FCF) (E 143)
- FD&C Red #40 (Allura Red AC) (E 129)
- FD&C Red #3 (Erythosine lake only) (E 127)
- FD&C Yellow #5* (Tartrazine) (E 102)
- FD&C Yellow #6 (Sunset Yellow FCF) (E 110)

*Requires specific declaration on labels for finished alcohol beverages

Some Non-Certified Colors

- Annatto Extract
- Beef Extract
- Dehydrated beets (beet powder)
- Beta Carotene
- Caramel
- Carmine (Cochineal Extract)
- Elderberry Extract

- Fruit Juice
- Grape color extract
- Grapeskin Extract (Enocianina)
- Paprika
- Saffron
- Titanium Dioxide
- Turmeric
- Vegetable Juice

FLAVORINGS

	Flavo	r Ingredient Dat	a Sheet		
		Flavor Producer Informat	tion		
TTB Co. Cod Company Nam Addres:			Date: Contact Person: Phone: Fax:		- - -
TTB Drawback Number Alcohol Range by Volume	e: e: ::		Check Appropriate Approved for Drawl Approved as No Ac Fit for Beverage Pu Submitted for TTB Not Yet Submitted to	back (DrB)	
		Classification			
Natural	N&A ≤ 0.1% Topnote	N&A > 0.1% Topnote	Artificial	Non-Flavor	
Total Artificial F	lavor Content:	ppm (Excluding Synthetic Var	nillin, Ethyl Vanillin, Syntheti	c Maltol, and Ethyl Maltol)	
		Flavor Components			
Additive	TTB Limitation in Finished Product	Amount of Additive or Agent Present in Flavor	Maximum Use Rate	Beverage Label Informa based of functionalit (check or list label ingredients tha	ty
Synthetic Vanillin	40.0 ppm	nnm	- %	the beverage label) 1. FD&C Yellow #5	П
Synthetic Varillin Ethyl Vanillin	46.0 ppm	ppm ppm	- %	2. FD&C Yellow #6	П
Synthetic Maltol	250.0 ppm	ppm	- %	3. FD&C Blue #1	П
Ethyl Maltol	100.0 ppm	ppm	- %	4. FD&C Blue #2	П
5. Ester Gum	100.0 ppm	ppm	- %	5. FD&C Green #3	П
6. BVO	15.0 ppm	ppm	- %	6. FD&C Red #40	П
7. Sodium Benzoate	1000.0 ppm	ppm	- %	7. Grapeskin Extract	
8. Gum Arabic/Acacia	200000.0 ppm	ppm	- %	8. Caramel Color	
9. Propylene Glycol	50000.0 ppm	ppm	- %	9. Annatto	
10. BHA	(<0.5% Essential Oil)	check if contained		10. Elderberry Extract	
11. Acetic Acid	1500.0 ppm	ppm	- %	11. Beet Extract	
12	ppm	ppm	- %	12. Oak Extract	
13.	ppm	ppm	- %	13	
14	ppm	ppm	%	14.	
15. Total Vanillin	40.0 ppm	ppm	%		
16. Total Maltol	250.0 ppm	ppm	%		

- FIDS provided by flavor manufacturer
- Classification
- Limited Ingredients (vanillin, ethyl vanillin, maltol, & ethyl maltol)
- Colors

TTB F 5100.51

	OMB NO. 1613-0122 (08/31/201		
TTB ID 1. NAME AND ADDRESS OF APPLICANT / IMPORTER (See Instructions):	DEPARTMENT OF THE TREASURY ALCOHOL AND TOBACCO TAX AND TRADE BUREAU (TTB) FORMULA AND PROCESS FOR DOMESTIC AND IMPORTED ALCOHOL BEVERAGES (See Instructions and Conditions at the end of this form) 2. CONTACT PERSON'S PHONE NUMBER / E-MAIL ADDRESS:		
1a. MAILING ADDRESS (if different than above) / FOREIGN PRODUCER'S ADDRESS:	3. PLANT REGISTRY / BASIC PERMIT / BREWER'S NUMBER: 4. CLASS AND TYPE OF PRODUCT:		
QUANTITATIVE LIST OF INGREDIENTS (If more space is needed, use space at the top of the next page or separate sheet):	PRODUCT NAME: METHOD OF MANUFACTURE / PROCESS OF PRODUCTION (if more space is needed, use space at the top of the next page or separate sheet):		

TTB F 5100.51

		ALCOHOL CONTENT OF FINISHED PRODUCT (range may be shown):			
			T OF ALCOHOL		
FROM FLAVORS:	F	ROM BA	MASE:		
10. PRINTED NAME OF APPLICANT / IMPORTER:	11. BY (Signature	e and Ti	itle) 12. DATE:		
	FOR TTB USE ONLY	(Items	; 13, 14, 16, and 16)		
13. FORMULATION:		-	BELING (finished product only):		
WINE PRODUCTS Approved subject to the provisions of 27 CFR			The designation of the product must include a truthful and adequate statement of composition, such as		
DISTILLED SPIRITS PRODUCTS					
Harmless coloring, flavoring, or blending r total more than 2.5% by volume of the finit		_			
Sugar, dextrose, or levulose or a combination thereof must be used in an amount not less than 2.5% by weight of the cordial or liqueur.			Commodity statement The label must indicate the use of:		
The use of refining agents must not alter t composition of the spirits.	he basic		caramel color certified color (other than FD&C Yellow #6)		
The blended whiskey must contain not les straight whiskey on a proof gallon basis.	s than 20%		artificial flavor FD&C Yellow #5 allergen(s):		
14. DATE: 15. APPROVED - TTB TOBACCO TAX AND TR		IE ADMI	IINISTRATOR, ALCOHOL AND 16. EXPIRES (IMPORT ONLY):		

Helpful hints



- Yield of batch should be in barrels
- List all possible ingredients in detail
- List ingredients by quantity using a broad range
- Describe when each ingredient is added such as before or after fermentation
- Describe how you make it, if made "traditionally" you may abbreviate the process by referencing 27CFR7.10

"Traditional" Processes

- Pasteurization;
- Filtration prior to bottling;
- Filtration in lieu of pasteurization;
- Centrifuging for clarity;
- Lagering;
- Carbonation; or
- Blending.

Helpful hints



- Provide botanical name (genus and species) of herbs or plant extracts
- Provide information about colors or flavors used, name and address of manufacturer, flavor name/code, etc.
- Provide Flavor Ingredient Data Sheet (FIDS) with application
- All formula are considered "trade secrets" and are protected by the TTB
- Flavoring use may affect tax rate (Industry Circular 2008-3)

Formula – long way

5. PRODUCT NAME: Strawberry Blonde 6. QUANTITATIVE LIST OF INGREDIENTS (If more space is needed, use space at the top of the next page or separate sheet): WATER: x-y bbls 1. Malted grains are milled and then mixed with warm creating the mash. The mash water often has small am	water, ounts of
needed, use space at the top of the next page or separate sheet): WATER: x-y bbls needed, use space at the top of the next page or separate sheet): 1. Malted grains are milled and then mixed with warm	water, ounts of
,	ounts of
creating the mash. The mash water often has small am	
MALTS: x-y lbs. salts added to it in order to adjust the pH and hardness	or ure
water. Enzymes present in the malt breakdown the star	
SALTS: fermentable and unfermentable sugars.	
CALCIUM CHLORIDE: x-y lbs.	
SODIUM CHLORIDE: x-y lbs. 2. In the kettle we again adjust the pH of the wort by a	_
more salts. The wort is now brought to a boil; during the	
IRISH MOSS: x-y lbs. we add a portion of the hops. We also add Irish Moss t	
kettle. At the end of boil we add more hops to the kettle	
HOPS: x-y lbs. send the wort to the whirlpool for protein and hop sepa	
Then it is cooled, oxygenated and transferred to a fermi	entor.
YEAST: x-y lbs.	
3. In the fermentor yeast is added. The yeast takes in t	_
STRAWBERRY PUREE: x-y lbs. from the liquid and, through respiration, excretes alcoho	
CO2. Additional hops may be added to the fermenter.	
fermenter, the yeast begins to reproduce and multiply.	
source for the yeast is the sugar present in the wort. By	
of yeast reproduction are CO2 and alcohol. The CO2 we	
order to carbonate the beer and the alcohol we retain for	or .
character.	
4. At the completion of fermentation the beer is chilled a	and
allowed to rest for 72 hours. The beer is then racked to	
bottled and ready to sell.	
Deviations from the Standard Brewing Process:	
Strawberry puree will be added during aging in Step 4.	
8. TOTAL YIELD: approx. 9-12 bbls. 9. ALCOHOL CONTENT OF FINISHED ABV 4-12% PRODUCT (range may be shown):	
9a. AMOUNT OF ALCOHOL 9b. AMOUNT OF ALCOHOL	
FROM FLAVORS: 0% FROM BASE: ABV 4-12%	

Formula shortcut

QUANTITATIVE LIST OF INGREDIENTS (If more space is needed, use space at the top of the next page or separate sheet):

x-y bbls MALT BEVERAGE PRODUCED WITH THE MATERIALS ALLOWED IN 27 CFR 7.10

x-y lbs STRAWBERRIES; JUICE, PUREE, OR CONCENTRATE

 METHOD OF MANUFACTURE / PROCESS OF PRODUCTION (If more space is needed, use space at the top of the next page or separate sheet):

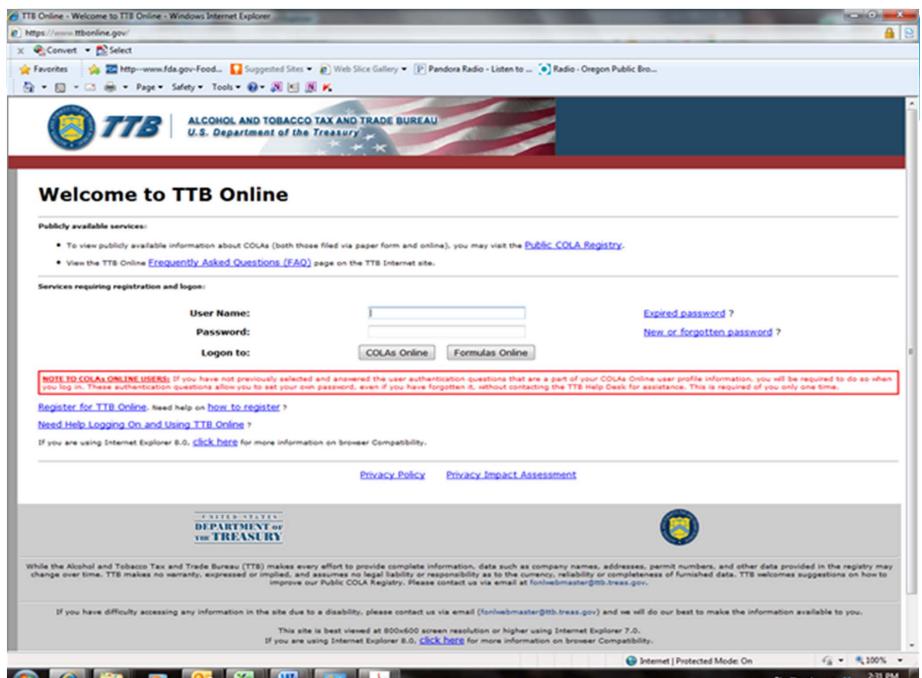
A malt beverage will be produced, using the listed malt beverage materials, according to 27 CFR 7.10: A beverage made by the alcoholic fermentation of an infusion or decoction, or combination of both, in potable brewing water, of malted barley with hops, or their parts, or their products, and with or without other malted cereals, and with or without the addition of unmalted or prepared cereals, other carbohydrates or products prepared therefrom, and with or without the addition of carbon dioxide.

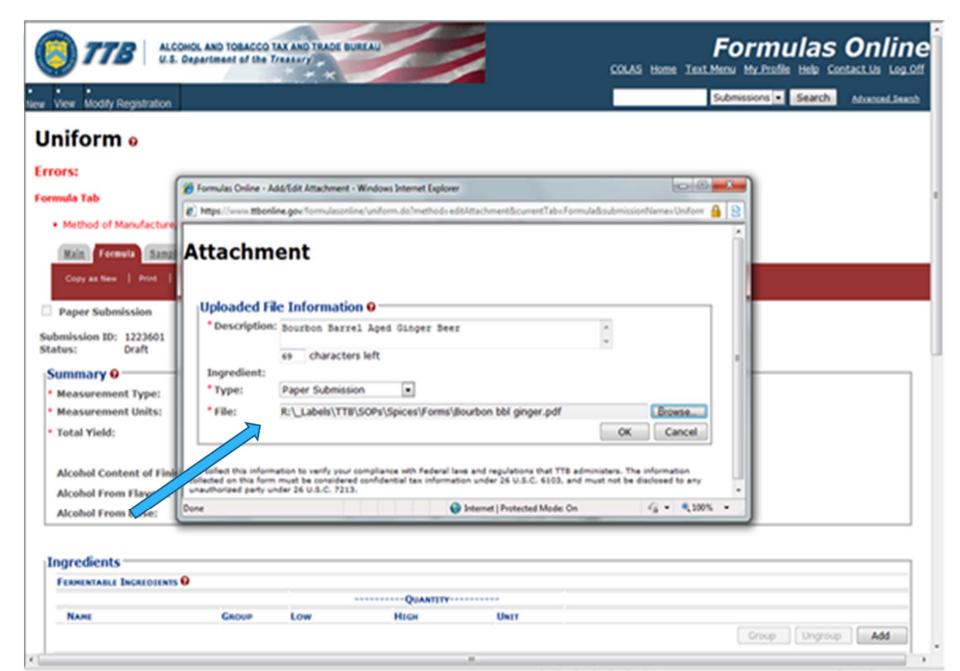
The only deviation from this standard brewing practice is that after fermentation the beer will be aged for a time with the strawberries. Additional hops may also be added at this time.

8. TOTAL YIELD: approx. X-YI bbls.

9a. AMOUNT OF ALCOHOL FROM FLAVORS: 0% ALCOHOL CONTENT OF FINISHED ABV 4-12%
 PRODUCT (range may be shown):

9b. AMOUNT OF ALCOHOL FROM BASE: ABV 4-12%





Flavored Malt Beverages (ATF ruling 96-1 & TD-21) 27CFR25.15(b) & 25.67

Products with 6% ABV or less:

- No more than 49% of the alcohol content may be coming from added flavors or non-beverage ingredients containing alcohol
- At least 51% of the ABV must be the result of the brewingfermentation of traditional ingredients (barley malt, etc.)

Example: If your beer is 5% ABV, then up to 2.45% ABV can come from flavoring and at least 2.55% ABV must come from the brewing process

FMB's (cont'd)

Products with more than 6% ABV:

 No more than 1.5% of the ABV of the finished product may consist of alcohol from added flavors or non beverage ingredients.

Example: If your beer is 10% ABV, then up to 1.5% ABV can come from flavoring and at least 8.5% ABV must come from the brewing process

Why is this important? Taxes



If your product **meets** this standard:

 Taxed and classified as a malt beverage product and taxed at \$7 or \$18 per barrel

If your product does not meet this standard:

 Taxed and classified as a distilled spirits product and taxed at \$13.50 per proof gallon!

COLA's

OMB No. 1513-0020 (07/31/2015)

FOR TTB USE ONLY			DEPARTMENT OF THE TREASURY ALCOHOL AND TOBACCO TAX AND TRADE BUREAU
TTB ID 13311001000245			APPLICATION FOR AND CERTIFICATION/EXEMPTION OF LABEL/BOTTLE APPROVAL
1. REP. ID. NO. (If any)	СТ 902	OR 17	(See Instructions and Paperwork Reduction Act Notice on Back)

- CERTIFICATES OF LABEL APPROVAL
- MANDATED BY FAA ACT
- REQUIRED FOR BOTTLES/CANS/KEGS SHIPPED AND SOLD ACROSS STATE LINES
- USUALLY REQUIRED WHEN A STATE REQUIRES LABEL APPROVAL

Mandatory Information Defined

BRAND NAME: Name under which product is marketed

(use caution with distilled spirits in fanciful

name or in the SOC)

CLASS: Specific identity of beer, such as ale, beer,

porter, India Pale Ale, lager, etc.

NAME/ADDRESS: Name, city and state of bottler

NET CONTENTS: Listed in US measures of ounce and pint

(i.e. 22 fl oz must be 1 pint 6 fl oz)

ALCOHOL: If ANY alcohol is derived from added

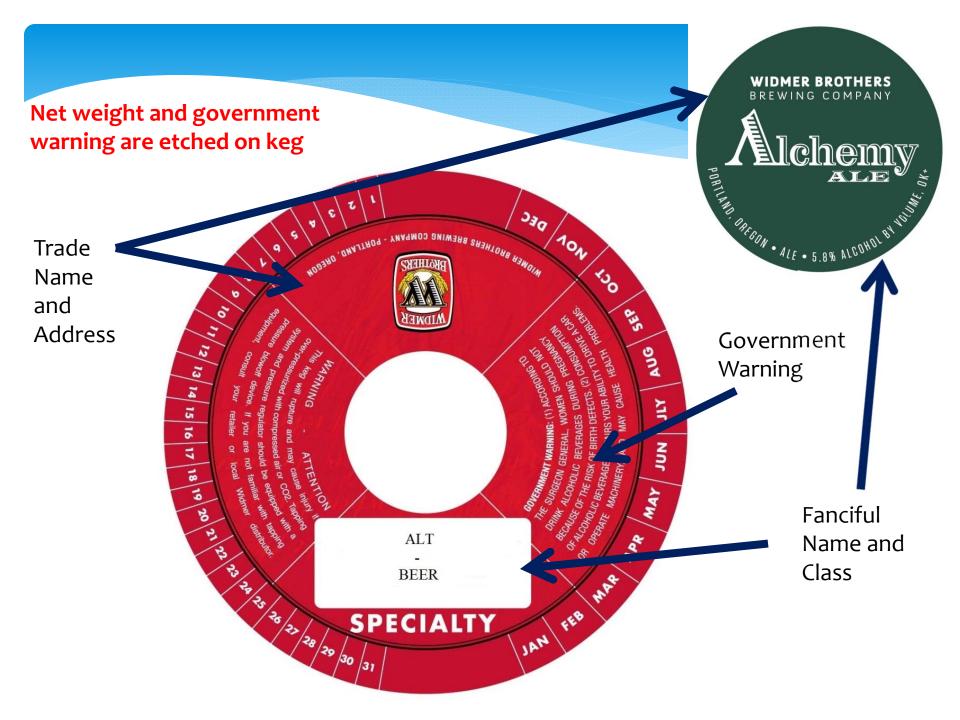
flavors or non beverage ingredients with

alcohol (unless state law prohibits)

KEG/BARREL MARKINGS

27 CFR 25.141 – Lists Mandatory Information

- Brand Name
- Place of production (name and address)
- Class and type
- Net contents (May be etched in keg)
- Government Warning Statement (May be etched in keg as well as on a keg ring)
- Keg labels or tap covers need a COLA if shipping interstate commerce or if state requires one



Bottle/can labels 27 CFR 7.22

Brand Label

- Brand Name
- Class and type
- Name and address
- Net Contents
- Type size 1 3 mm by pack size

Any Label

- Alcohol content (optional)
- FD&C Yellow #5
- Saccharine Disclosure
- Aspartame Declaration
- Sulfite Declaration (not enforced for beer)
- Government Warning

Sample Bottle Label



Health warning statement

- Requires very specific phrase, size and punctuation
- Type size depends on package size, 1-3 mm also character spacing restriction
- Must be separate and apart from all other label text
- "GOVERNMENT WARNING" must be in bold and caps
- Must be legible and completely contrasting
- Failure to include this may result fines up to \$11,000 per day

Other labeling declarations

- Allergens (Contains statement) Interim rule TTB-53
- Alcohol Facts Statement New FAQs on website
- Nutrient Content Statement TTB Ruling 2013-2
- "Lite or Light" carb/ calorie claims with average analysis statement- TTB Ruling 2004-1
- Gluten Free or Crafted to Remove Gluten Claim with government disclaimer – TTB Interim Ruling 2014-2
- Organic Claim TTB FAQs and 7 CFR 205

TTB Streamlining Efforts

- No longer reviewing labels for type size requirements and certain image file-related issues
- TTB Public Guidance 2012-2 Amended label guidance to allow industry members to make certain additional changes without resubmitting labels for approval

19 allowable changes to approved Malt Beverage Labels

TTB Public Guidance 2012-2 allows you to...

- 1) Delete any non-mandatory label information, including text, illustrations, graphics, etc.
- 2) Reposition any label information, including text, illustrations, graphics, etc.
- 3) Change the color(s) (background and text), shape and proportionate size of labels. Change the type size and font, and make appropriate changes to the spelling of words.

Allowable changes

- 4) Change the net contents statements.
- 5) Change the mandatory statement of alcohol content as long as it doesn't change class/type or conflict with other labeling statements (FMB's only).
- 6) Add, delete or change an optional statement of alcohol content.
- 7) Delete or change statements or information in order to comply with State requirements.
- 8) Change values for calories, carbs, protein and fat.

Allowable changes

- 9) Add, delete or change bottling date, production date or freshness information dates and codes
- 10) Change the name or trade name to reflect a different name already approved for use. Change the address where it is within the same State.
- 11) Add, delete, or change name and/or address of foreign producer, bottler or shipper
- 12) Add, delete, or change name, address and/or TM of wholesaler, retailer or importer.
- 13) Add, delete, or change bottle deposit information

Allowable Changes

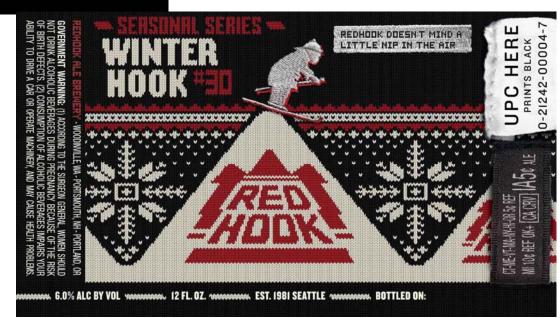
- 14) Add, delete, or change UPC barcodes and/or 2D mobile barcodes in compliance with advertising regulations
- 15) Add, delete or change a web site address, phone number, fax number or zip code.
- 16) Add, delete or change lot, batch ID or other serial #
- 17) Add, delete or change TM, copyright, kosher, company logos, and/or social media icons
- 18) Add, delete or change optional info on awards or medals
- 19) Add, delete or change holiday/seasonal graphics, etc.

Label Revision: No new COLA

Changed seasonal graphics Changed color scheme Repositioned graphics Changed seasonal serial #

6.0% ALC BY VOL 12 FL. OZ. EST. 1981 SEATTLE BOTTLED ON

GOVERNMENT WARNING: (1) ACCORDING TO THE SURGEON GENERAL, WOMEN SHOUL NOT DRINK ALCOHOLIC BEVERAGES DURING PREGNANCY BECAUSE OF THE RISK (BIRTH DEFECTS. (2) CONSUMPTION OF ALCOHOLIC BEVERAGES IMPAIRS YOUR ABILIT



Future COLA Streamlining efforts

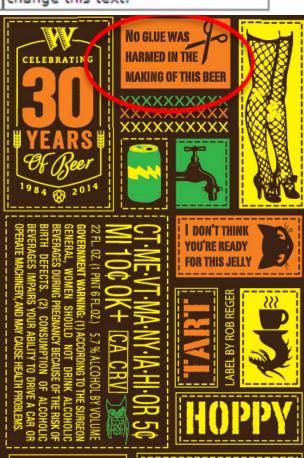
Long Term Initiatives?

- Update the COLA form
- Revise TTB labeling regulations
- Modify COLAs Online
- Continue collecting comments and suggestions

1) Text on car image. 2) Text referring to glue.

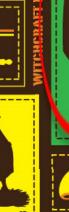
The term "CITRUSY" implies that citrus is added to the product. See 27 CFR 7.29 (a)(1). Delete or change this text.

Rejected Label











machines, this beer is as crafty as it s you'd like it to be.



XXXXXXXXXXXXXX





WIDMER BROTHERS BREWING + GIGANTIC BREWING CO





Changes Made



We had to attach an explanation for this which says "beer is reeb spelled backwards"



Glue was bad, but Grandmas was OK



HANDCRAFTED by fully automated machines, this beer is as crafty as it is delicious. Craftylicious is mass produced in deceivingly small batches using only the finest premium ingredients. This limited release collaboration beer from Portland's Gigantic Brewing and Widmer Brothers Brewing is as tart as it is hoppy, as citrusy as it is funny, and can be served as cold as you'd like it to be.

We could not say "citrusy," instead we had to say "citrus-like."

HANDCRAFTED by fully automated machines, this beer is as crafty as it is delicious. Craftylicious is mass produced in deceivingly small batches using only the finest premium ingredients. This limited release collaboration beer from Portland's Gigantic Brewing and Widmer Brothers Brewing is as tart as it is hoppy, as citrus-like as it is funny, and can be served as cold as you'd like it to be.

Reason Additional Information

Per Industry Circular 2011-4, your application and label(s) have not been reviewed for type size, characters per inch or contrasting background. The responsible industry member must continue to ensure that the mandatory information on the actual labels is displayed in the correct type size, number of characters per inch, and on a contrasting background in accordance with the TTB labeling regulations, 27 CFR parts 4, 5, 7, and 16, as applicable.

Rejected Label

You may not make false or misleading statements on labels. For Wine 27 CFR § 4.39(a)(1) For D/S 27 CFR 5.42

1) DELETE THE TERM "JOINT" AS IT IMPLIES DRUG USE. SEE ATF COMPLIANCE MATTER 94-2. 2) DELETE "CONTAINS HEMP SEED". SEE TTB HEMP POLICY APRIL 2000. 3) Since two brewery logos are used on the brand label, the statement "BREWED AND KEGGED BY REDHOOK ALE BREWERY, WOODINVILLE, WA." must appear on the label in conjunction with the two logos. See 27 CFR 7.29 (a)(1).



Questions?

