“KOMBUCHA – The Newly Emerging - Ancient Beverage”

John M. Luker
Assistant Director
New York State Department of Agriculture and Markets

Manufactured Food Regulatory Program Alliance Meeting
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MISSION

• To ensure a safe food supply and mitigate economic fraud.
• To facilitate production and marketing of processed food and farm products.
KOMBUCHA

Kombucha is a fermented beverage made from brewed tea and sugar that is gaining popularity throughout New York and the US. It can be found in health food stores, retail food stores, and farmers’ markets.
CONCERNS:

- Unstable food
- Biological (pathogen, mold, or wild culture growth)
- Chemical (potential for acidosis, or alcohol development)
- Refrigeration?
- Maintain a level of less than 0.5% alcohol by volume

SCOBY - Symbiotic Culture of Bacteria and Yeast
“Kombucha Brewing Under the Food and Drug Administration Model Food Code: Risk Analysis and Processing Guidance”

Brian A. Nummer, PhD Retail-Foodservice Food Safety Consortium Utah State University Cooperative Extension
**Wholesale Distribution**

Adherence to a process review conducted by a recognized process authority, or

- Peer reviewed scientific journal article - (Nummer)
- A current Article 20-C Food processing establishment license.
- Compliance with 1NYCRR Part 261 – Current good manufacturing practices.
- Compliance with 1NYCRR Part 59.1 – Packaging and labeling of food (including “Keep Refrigerated” statement for unpasteurized kombucha).
RETAIL MANUFACTURE AND SALE

Adherence to a process review conducted by a recognized process authority, or

• Adherence to a variance as required under 1NYCRR Part 271.9 – Retail food store sanitation regulations, compliance and enforcement.
• A current Article 20-C Food Processing Establishment license
• Compliance with 1NYCRR Part 271 - Retail food store sanitation regulations.
• Compliance with 1NYCRR Part 59.1 – Packaging and labeling of food (including “Keep Refrigerated” statement for unpasteurized kombucha).
Met with the “Kombucha Brewers International Organization” - Spring 2016

• Industry demonstrated a need for regulatory direction.

• Food Safety concerns addressed

• Alcoholic beverage?

• “.25% - .3% Alcohol, never over .5%”  Well, maybe.

• CCP? Refrigeration? Pasteurization?
Developed the Kombucha Guidance Document

Kombucha is a fermented beverage made from boiled tea and sugar that is gaining popularity throughout New York and the US. It can be found in health food stores, retail food stores, and farmers’ markets. Kombucha tea is considered food and therefore subject to regulation by the Department of Agriculture & Markets (Department). Most Kombucha is intended to be sold in unpasteurized form, with refrigeration as the control to prevent further fermentation, and maintain a level of less than 0.5% alcohol by volume. Kombucha produced with a level greater than 0.5% alcohol by volume is subject to state regulation by the New York State Liquor Authority (SLA). For more information please contact SLA at: https://www.sla.ny.gov/

Hazards of Kombucha include: Biological (pathogen, mold, or wild culture growth), Chemical (potential for acetaldehyde, or alcohol development), Physical (suitable food, possible container integrity).

Department requirements for producing Kombucha for wholesale distribution are as follows:

- Adherence to a scheduled process/process review conducted by a recognized process authority.
  - Peer reviewed scientific journal article
- A current Article 20-C Food processing establishment license.
- Compliance with NYCCER Part 261 – Current good manufacturing practices.
- Compliance with NYCCER Part 59.1 – Packaging and labeling of food (including “Keep Refrigerated” statement for unpasteurized Kombucha).

Department requirements for producing Kombucha at retail are as follows:

- Adherence to a variance as required under NYCCER Part 271.9 – Retail Food Store sanitation regulations, compliance and enforcement.
- A current Article 20-C Food Processing Establishment license.
- Compliance with NYCCER Part 271 – Retail food store sanitation regulations.
- Compliance with NYCCER Part 59.1 – Packaging and labeling of food (including “Keep Refrigerated” statement for unpasteurized Kombucha).

Transportation, storage, and display requirements:

Unpasteurized Kombucha contains live cultures and can continue to ferment and raise alcohol content over time, especially if transported, stored, or deployed outdoors, and refrigeration.

Unpasteurized Kombucha must be refrigerated at or below 41°F at all times. Improper refrigeration unpasteurized Kombucha may be subject to Department Food Suzanne.

The Department may collect samples of Kombucha routinely, or at any time there is information indicating unpasteurized Kombucha may have been transported, stored, or sold in a manner in which continued fermentation may have occurred. Kombucha found by Laboratory analysis to contain greater than 0.5% alcohol by volume, and not produced under SLA license, will be subject to Department Food Suzanne.

Available references:

1. Listing of Department Recognized Process Authorities
3. NYCCER Part 261 – Current good manufacturing practices:
4. NYCCER Part 271 – Retail food store sanitation regulations:
5. New York State Food Labeling Guide:
Currently have about 12 licensed wholesale kombucha manufacturers in New York State

Firms are inspected annually

Samples collected periodically and tested for alcohol content
Questions?