



Better Food. Better Health. Better World.

Managing Identified Hazards through EMP and Raw Materials Testing Programs

October 20, 2022



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 - Made & Sold in Canada
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- Hazard Mitigation
 - Environmental Monitoring Program
 - Raw Material Testing Programs

Identifying Hazards: Products Made in Canada & Sold in Canada

☐ Regulated Hazards – Canada

- ☐ Use the Reference Database for Hazard Identification (RDHI) for hazards:

- <https://active.inspection.gc.ca/rdhi-bdrid/english/rdhi-bdrid/introe.aspx?i=1>

- ☐ Regularly check the RDHI Change Log: Added eggs as an allergen in poultry 8/29/22

☐ Emerging Hazards – Global Ingredients

- ☐ Monitoring Global Ingredient Recalls
- ☐ Monitoring New Global Regulations
- ☐ Monitoring Hazard Regulatory Limits for Global Ingredients
- ☐ Monitoring Testing Methods for Hazards

Notices for New Regulations



- ✓ Searchable database for food and ingredient regulations in 70 countries
- ✓ Ability to send alerts by product or by ingredient type

The screenshot displays the Mérieux NutriSciences Regulatory Agenda interface. On the left, a sidebar contains search filters: Country (set to Canada), Product Category (set to All), Parameters (set to All), and Year (set to All). Below these filters is a 'Search' button. The main content area on the right shows a detailed view of a regulation titled 'Canada - Pathogens in drinking water: a Guidance', dated 05 September 2022. This view includes an 'Ask for advice' button, a 'Country' field (Canada), 'Interested product categories' (All of the FOOD product categories), 'Legislative reference' (Guidance on waterborne pathogens in drinking water), a 'Summary' paragraph, a 'Link' to the official document, 'Source' (Canada Gazette), 'Penalty Framework' (The rule does not mention specific sanctions), 'Entry into force' (03 September 2022), and 'Application areas' (Product safety parameters, Chemical contaminants). A footer navigation bar at the bottom of the interface includes links for 'Ask for advice', 'FAQ', 'Assistance', 'Video Tutorial', and 'Terms and Conditions'.

Identifying Hazards: Products Made in Canada & Sold in US

- ✓ Regulated Hazards – Canada
- ✓ Emerging Ingredient Hazards – Global
- ☐ Regulated Hazards - US
 - ☐ Meat Based Product – USDA FSIS
 - Meat and Poultry Hazards and Controls Guide
https://www.fsis.usda.gov/sites/default/files/import/Meat_and_Poultry_Hazards_Controls_Guide_10042005.pdf
 - ☐ Non-Meat Based Product (or closed sandwich or <3% meat) – FDA
 - Hazard Analysis and Risk-Based Preventive Controls for Human Food: Draft Guidance for Industry Appendix 1: Potential Hazards for Foods and Processes <https://www.fda.gov/media/99581/download>

Hazard Limits by Country



- ✓ Searchable database for food and ingredient limits of hazards
- ✓ Ability to send alerts by product or by ingredient type or by country
- ✓ References method required by regulation

Home > Search Limit > Search Results > Health foods - Herbal Products (in tablets, capsules or powders) consumed at <10 g/day / Staphylococcus aureus

[Back to results](#) [Legend](#)

Health foods - Herbal Products (in tablets, capsules or powders) consumed at <10 g/day / Staphylococcus aureus

Creation date: 26/02/2021 Monitoring Date: 24/07/2020

MARKET		
	Group	CANADA
PARAMETER		
	Parameter	Staphylococcus aureus
	Synonym	S. aureus
	Group	BIOLOGICAL CONTAMINANTS
	Sub-group	BACTERIA
COMMODITY		
	Index name	Health foods - Herbal Products (in tablets, capsules or powders) consumed at <10 g/day
	Name published in the law	Health foods -Raw Organ Derived Products and Herbal Products (in tablets, capsules or powders, consumed at <10 g/day)
LIMIT OF LAW		
	Minimum value (m)	100
	Maximum value (M)	10000
	n (number of units comprising the sample)	5
	c (number of sample units giving values between m and M)	2
	Unit of measure	cfu/g
	Status	In force
LAW REFERENCE		
	Law name	Government of Canada. Health Products and Food Branch (HPFB) Standards and Guidelines for Microbiological Safety of Food. Interpretive Summary.

Identifying Hazards: Product Made in Canada & Sold Globally



- ✓ Regulated Hazards – CFIA
- ✓ Emerging Ingredient Hazards
- ☐ Global Regulatory Support
 - ☐ Labeling Development or Review
 - ☐ Ingredient Compliance
 - ☐ Continuous Risk Monitoring

Hazard Limits by Country



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HOME



SAVED SEARCHES



NOTIFICATIONS



YOUR ACCOUNT



LOG OUT

[← Back to homepage](#)

[Save Search](#)

[Create Notification](#)

[Legend](#)

SEARCH RESULTS

i The output shows only the active limits. If a limit is active but a new regulation already set a future limit, you will find an alert. Click on it to see details

i 692 Total Limits

» Market (Country)
EU harmonized, US, CANADA

» Contaminant
CHEMICAL CONTAMINANTS, METALS, Lead

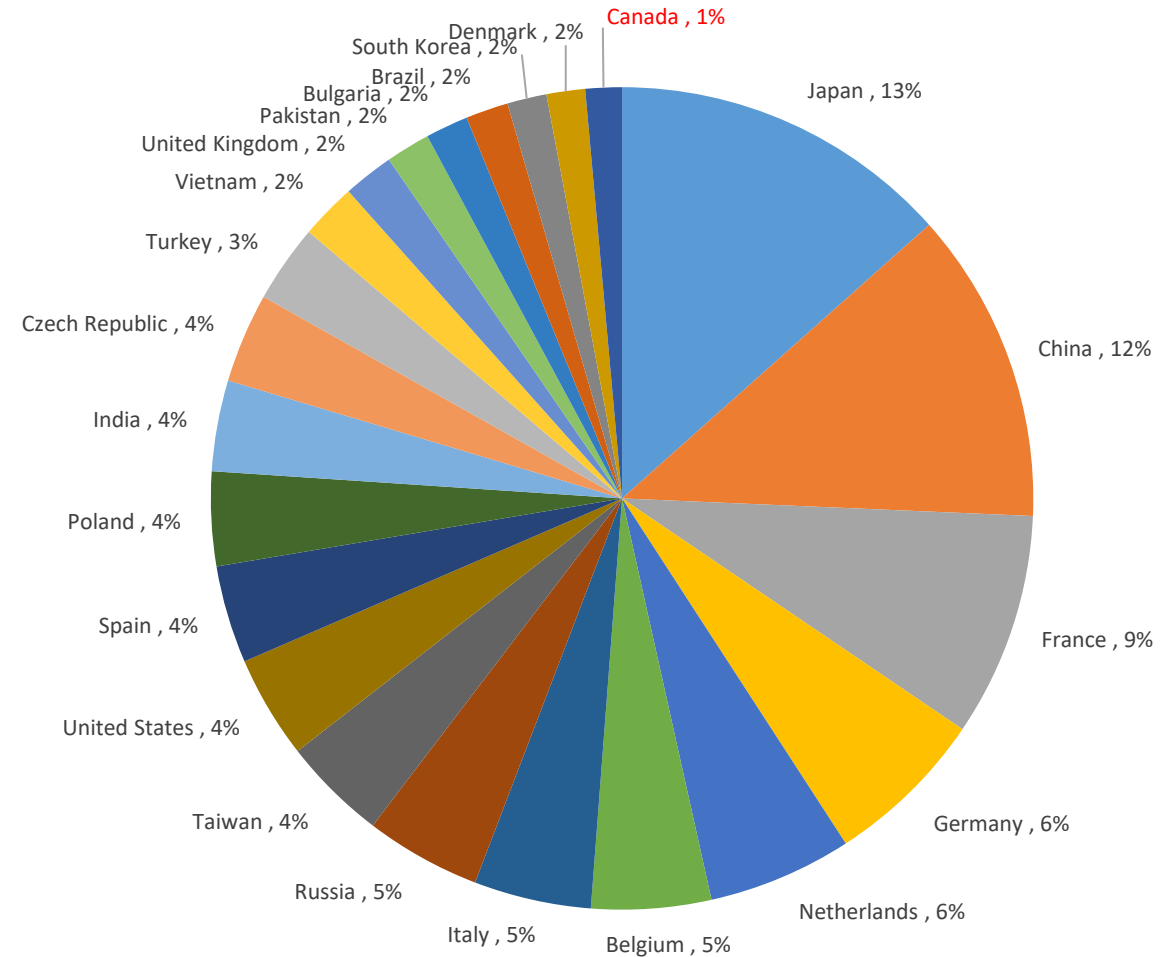
<input type="checkbox"/>	Market	Commodity name	Parameter	Limit	Law Name		
<input type="checkbox"/>	<input type="text" value="filter..."/>	<input type="text" value="water"/>	<input type="text" value="filter..."/>	<input type="text" value="filter..."/>	<input type="text" value="filter..."/>		
<input type="checkbox"/>	EU harmonized	Spring waters i	Lead	5 µg/l i	DIRECTIVE (EU) 2020/2184 COUNCIL DIRECTIVE 2009/54/EC i		more info
<input type="checkbox"/>	EU harmonized	Water intended for human consumption; except natural mineral waters and waters which are medicinal products i	Lead	5 µg/l i	DIRECTIVE (EU) 2020/2184 i		more info
<input type="checkbox"/>	CANADA	Water in sealed containers i	Lead i	0.01 ppm (mg/kg) i	Health Canada - List of contaminants and other adulterating substances in foods, Part 2. Division 15 of the Food and Drug Regulations.		more info
<input type="checkbox"/>	EU harmonized	Spring waters i	Lead	10 µg/l i	COUNCIL DIRECTIVE 98/83/EC COUNCIL DIRECTIVE 2009/54/EC		more info
<input type="checkbox"/>	US	Well water	Lead i	0.005 mg/l i	21 CFR 165.110 - Bottled water 2020-06-06		more info
<input type="checkbox"/>	US	Sterile water	Lead i	0.005 mg/l i	21 CFR 165.110 - Bottled water 2020-06-06		more info



Global Recalls & Risk Management



- Database tracks recalls in over 70 countries for food safety and food fraud
- Country of Origin & Country of Recall
- Ingredient Risks
- Emerging Issues



Hazard Mitigation & Control: Raw Material Testing Programs

- ☐ Supplier Certificates of Analysis Considerations

- ☐ Sample size
- ☐ Method
- ☐ Validated for the matrix?
- ☐ Frequency
- ☐ Acceptance criteria

- ☐ Raw Material Testing Programs

- ☐ Lot Control
- ☐ Risk Based Sampling

Hazard Mitigation & Control: Environmental Monitoring Programs

- ☐ Design your plan to minimize your risk
- ☐ Randomized vs. fixed sites
- ☐ Shift variation
- ☐ Day variation
- ☐ Seasonal variation (HVACs & Swamp Coolers)
- ☐ Sanitation verification vs. during production
- ☐ Zone consideration
- ☐ Corrective Actions vs. Preventive Measures
- ☐ Annual Validation

Environmental Monitoring Automation

A secure system that allows you to automate environmental monitoring programs and assist with entire sampling life cycle:



Automated schedule



Automate CAPA
for continuous improvement



Results Mapping



Real time alerts



Executive Dashboard & Reporting



Tracing personnel

Training - What



Our industry expertise allows our experts to add an **extra level of value** to our course offerings, and **share the knowledge** we've gained by working with the industry's leading companies to develop high-impact, cost-effective training programs.

Topics Covered

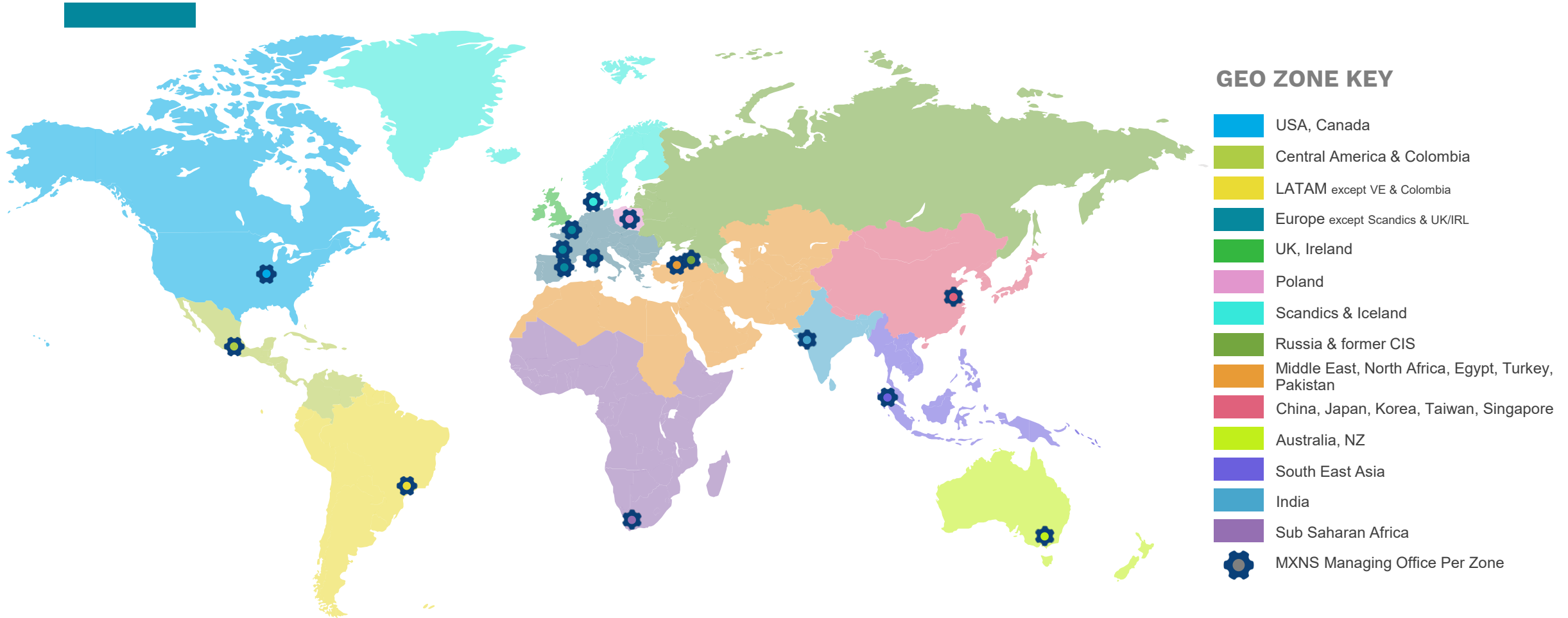
- Allergen Risk Management
- Dairy Sensory
- Environmental Monitoring
- Food Defense
- FSMA Overview
- GMP in Food Processing Plants
- HACCP
- HACCP (Advanced)
- HTST/Pasteurization
- Internal Auditing
- Quality Management
- PCQI Animal Food
- PCQI Human Food
- Pest Management
- Principles of Food Microbiology
- Root Cause Analysis
- Sanitation
- GFSI Courses (SQF, BRC, etc.)

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Thank you

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