



# ERCO Worldwide Food Grade HCl Product

Port Edwards, WI



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## ERCO Worldwide Food Grade HCl

ERCO Worldwide has been a reliable supplier of hydrochloric acid (HCl) to the food industry for decades, constantly meeting stringent product requirements.

To further serve its food customers, ERCO Worldwide has achieved compliance with the FDA’s Food Safety Modernization Act (FSMA) to offer food-grade HCl products safely and reliably from the Port Edwards manufacturing facility in Wisconsin, United States.

### FSMA Compliance

The FDA Food Safety Modernization Act (FSMA) is geared towards maintaining the safety of the food system by shifting the focus from responding to foodborne illness to preventing it.

To implement FSMA, FDA has finalized various rules designed to make clear specific actions that must be taken at various points in the human and animal food supply chain points to prevent contamination.

ERCO Worldwide has taken several key steps to ensure that the HCl product manufactured at the Port Edwards plant is compliant with the FSMA requirements for food safety according to the Preventive Controls for Human Food Rule, Sanitary Transportation Rule, and Intentional Adulteration Rule

- Both 22° Baumé and 20° Baumé HCl grades out of Port Edwards are now FSMA compliant
- The plant and the manufacturing process comply with Current Good Manufacturing Practices (cGMPs)
- The plant ensures that raw ingredients and materials are received from approved suppliers, and are handled in a safe, sanitary environment

Thorough Hazard Analysis and Risk-based Preventive Controls (HARPC) have been

- Implemented to address hazards in the Food Safety Plan (FSP)
- The plant employs several Preventive Controls Qualified Individuals (PCQIs)
- The plant has also completed an Intentional Adulteration Vulnerability Assessment (IAVA) and implemented Mitigation Strategies to address any significant vulnerabilities, documented in the Food Defense Plan (FDP)

### Customer Benefits

By partnering with ERCO worldwide for your food-grade HCl needs, customers gain access to a reliable supplier with state-of-the-art FSMA compliant manufacturing process

- ERCO Worldwide provides customers with a secure HCl supply free from allergens, unsanitary conditions, and unsafe processes
- Reliable and safe supply of high-quality acid product with a dedicated fleet and reliable logistics capability
- Complete product life-cycle assessment from raw materials, transportation to operations, and logistics is kept under food safety control and prevents any contamination

### FSMA Compliant Product

Product	HCl,22°	HCl,20°
Assay, Baumé	22–22.4	20– 20.8
Food Chemical Codex	✓	✓
FSMA Preventive Controls for Human Food	✓	✓
FSMA Sanitary Transportation	✓	✓
FSMA Intentional Adulteration Rules	✓	✓

