

LC2000



Waterline Cleaner & Disinfectant

PRODUCT OVERVIEW

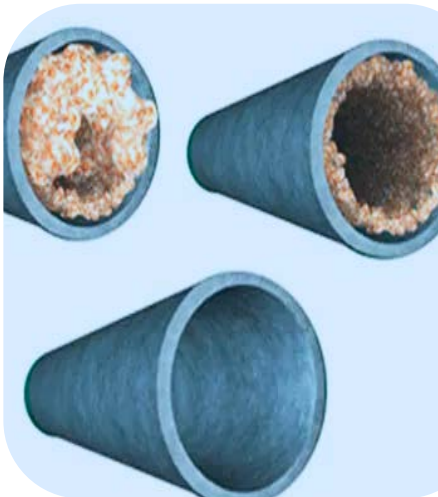
LC2000 is an advanced waterline cleaner specifically developed to clean, disinfect, and optimize drinking water systems in livestock and poultry operations. This highly effective solution combines the powerful oxidizing action of stabilized hydrogen peroxide (20%) with the descaling properties of peracetic and acetic acids, providing a dual-action formula that removes organic biofilms, heavy soils, and inorganic scale while oxygenating the system.

It works by breaking down into water (H₂O) and oxygen (O₂). The released oxygen actively "scrubs" pipes and nipples, dislodging residues and reducing microbial contamination. The acid component dissolves mineral scale primarily composed of calcium and magnesium, which can harbor harmful pathogens and block water flow.

POWERED BY OXYGEN AND ORGANIC ACIDS

FEATURES & BENEFITS

- **Dual Action Formula:** Hydrogen peroxide removes organic biofilm and heavy soiling, while peracetic and acetic acids dissolve scale (mineral buildup).
- **Biofilm Removal & Disinfection:** Destroys organic and inorganic deposits that harbor pathogens and compromise the efficacy of medication and vaccines delivered via drinking water.
- **Restores Water Flow:** Prevents and resolves nipple and pipeline blockages that reduce flow by up to 80%.
- **pH Optimization:** Acidifies drinking water to improve stability of additives and prevent microbial growth.
- **Safe on Equipment:** Non-corrosive when used as directed, and compatible with standard waterline materials.



+962 2 7552916



Info@elitechemy.com

Elite Chemical
Industries Co. Ltd.
Jordan



LC2000



APPLICATIONS

LC 200 is recommended for use in:

- Poultry and livestock water systems
- Drinking lines and nipples
- Farm water storage tanks
- Pre-flock or routine hygiene cleaning

DIRECTIONS FOR USE

Cleaning When System is NOT in Use

- Heavy Cleaning: Mix 100 ml LC2000 per 5 L of water (2% solution, 1:50)
→ Leave for 12–24 hours, then flush with clean water.
- Light Cleaning: Mix 40 ml LC2000 per 5 L of water (1:128)
→ Leave for 24–48 hours, then flush thoroughly.

Cleaning While System is in Operation (Animals Present)

- Prepare Stock Solution: Mix 80 ml LC2000 per 5 L of water.
- Metering Pump Dosage: Set at 40 ml stock solution per 5 L drinking water (1:128 final dilution)
- Adjust as Needed: If required, increase by 20 ml increments per 5 L stock solution, up to a maximum of 120 ml per 5 L.

Important Notes:

- Do not exceed 5 consecutive days of use.
- Do not mix LC2000 with other products in the same stock tank.

SAFETY INFORMATION

- Use in well-ventilated areas.
- Use personal protective equipment during handling.
- Store away from direct sunlight and heat sources.
- Avoid inhalation and contact with skin or eyes.
- Keep away from food, children, and animals.
- In case of contact, rinse with water.
- Seek medical advice if irritation occurs.
- Dispose of properly according to local regulations.

MECHANISM OF ACTION

LC2000 acts through a dual-mechanism approach by leveraging the oxidative strength of hydrogen peroxide and the descaling power of organic acids:

Oxidative Biofilm Removal (Hydrogen Peroxide – 20%)

Hydrogen peroxide decomposes into water (H₂O) and oxygen (O₂) when introduced into the waterline system. The release of nascent oxygen exerts a strong oxidative effect, penetrating and dislodging biofilms composed of organic material, microbial residues, and slime. The generated microbubbles help scrub internal surfaces, releasing debris and microorganisms adhered to pipe walls and nipple drinkers.

Descaling and Acidification (Peracetic and Acetic Acids)

Peracetic acid and acetic acid in LC 2000® break down inorganic scale deposits, primarily composed of calcium and magnesium salts. These acids dissolve mineral buildup that narrows pipe diameter and harbors pathogens. Additionally, the acids optimize the pH of drinking water, creating a less favorable environment for microbial proliferation.

Together, these active components synergistically cleanse and sanitize drinking water systems, ensuring better water flow, reducing microbial contamination, and enhancing the effectiveness of water-administered vaccines and supplements.

PRODUCT DETAILS

- Appearance: Clear, colorless liquid
- Odor: Pungent (due to peracetic acid)
- pH: Acidic
- Stability: Stable under recommended storage conditions
- Active Ingredients:
Hydrogen Peroxide (H₂O₂) – 20%
Peracetic Acid (PAA) – 5%
- PACKAGING:
Available in 20 kg and 5kg Jerrycans



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