

# BIOREM® CDA1 + CD10

## Curative treatment for biofilm contamination in closed surfaces

Unique patented treatment combining a detergent base (Biorem®CDA1) and a specific cocktail of enzymes (Biorem®CD10) to remove biofilms from closed circuits in the agri-food industry: pipes, heat exchangers, tanks, membrane filtration, bottling lines, evaporators, etc. This specific treatment in combination with a disinfection phase ensures removal of the biofilm from the circuits thus guaranteeing perfect hygiene for surfaces.\* A preventive treatment with Biorem® CIP can be implemented to prevent biofilm recurrence.

### ADVANTAGES

- **Equipment-friendly** solution, approved by Elopak
- It has been proven that Realzyme's daily enzymatic cleaning in combination with the removal of biofilms make it possible to **increase the quality of finished products and their use-by date.\*\***
- **Positive impact on the environment** (discharge of pre-purified water)
- **Biodegradability rate > 99%** in 28 days (OECD 302B)

### FIELDS OF APPLICATION

- Removing biofilm development in closed circuits



	VOLUME	REF.	CARTON	PALLET
	5L (CD10)	LIQ1061	4 bottles	24 boxes (=96 bottles)
	5L (CDA1)	LIQ1057	4 bottles	24 boxes (=96 bottles)
	25L (CDA1)	LIQ1058	-	24 pails

#### Realzyme LLC.





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\* When used in normal circumstances and in accordance with the specifications for use.

\*\* Results from the "Biofilm Expert" project carried out in partnership with Wallonia and Quality Partner.

### DIRECTION OF USE

- 1 Prepare a solution of Biorem®CDA1, Biorem®CD10 and hot water 104 -122 °F (40-50°C) maximum.
- 2 Circulate the solution for 60 minutes at pH 7 and then 60 minutes at pH 10. If the circulation is not sufficient (min. 1.5 m/sec) the treatment must be performed by soaking: 120 minutes at pH 7 and then 120 minutes at pH 10.
- 3 Rinse with clean water.
- 4 Carry out a high-strength sanitizing step.
- 5 Rinse with clean water.

	Temperature	104 -122 °F (40-50°C) max.
	Action	Circulation of the solution + rinsing
	Concentration	Biorem®CDA1: 0.25% Biorem®CD10: 0.05%
	Contact time	Circulation: 120 minutes Soaking: 240 minutes

Distributed by:



### PH VALUE

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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(In solution)

### CERTIFICATIONS AND REGULATIONS

- Product meets USDA regulatory sanitation performance objectives following the Food Safety and Inspection Service (FSIS) Directive 5000.1, "Verifying an Establishment's Food Safety System Handbook"
- All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory
- All components of this product are listed on Canadian DSL or NDSL or notified

### SAFETY

- For professional use only.
- Consult the Safety Data Sheet (available on [www.realco.be/msds](http://www.realco.be/msds)) and the product label for more information.

### STORAGE

- Storage in the closed original packaging between 39°F and 77°F (4°C and +25°C).
- Use Biorem®CD10 within 24 months of production and 6 months after opening the product.
- Use Biorem®CDA1 within 24 months of production and 6 months after opening the product.

