

## Certificate

**Ecolab Deutschland GmbH** 

Food & Beverage Ecolab-Allee 1 D-40789 Monheim am Rhein

hereby certifies that for

Carlo Gavazzi Industri A/S Over Hadstenvej 40 DK-8370 Hadsten

material resistance test were performed on **photoelectric sensors LD30 Stainless Steel** with solutions of cleaning and disinfection products used in the food processing industry.

## Products tested:

•	Topax 56	(acidic foam cleaner for the food industry)
•	Topaz AC1	(acidic foam cleaner for the food industry)
•	Topaz MD3	(alkaline foam cleaner for the food industry)
•	Topaz CL1	(alkaline, chlorine containing foam cleaner for the food industry)
•	Topactive OKTO	(acidic foam disinfectant for the food industry)
•	P3-hypochloran	(chlorine containing disinfectant for the food industry)

## Test procedure:

- Complete immersion in test media for 240 hours at 50 °C (Topax 56 and Topaz products, 4 5%-w/w) and 23 °C (Topactive OKTO and P3-hypochloran, 1%-w/w) Solutions of Topaz CL1, Topactive OKTO and P3-hypochloran were replaced everyday.
- Visual examination and evaluation like swelling, embrittlement, discoloring and corrosion compared to initial state – function test was out of scope

The material resistance of the tested photoelectric sensors with the products listed above has been considered to be positive.

Monheim am Rhein, 15.01.2016

Christof Nolde

Laboratory Services Manager Europe

Food and Beverage

