

## Certificate

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

hereby certifies that for

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

material resistance test were performed on **photoelectric sensors PD30 Stainless Steel** with solutions of cleaning and disinfection products used in the food processing industry.

### Products tested:

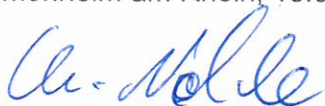
- Topax 56 (acidic foam cleaner for the food industry)
- Topaz AC1 (acidic foam cleaner for the food industry)
- Topaz MD3 (alkaline foam cleaner for the food industry)
- Topaz CL1 (alkaline, chlorine containing foam cleaner for the food industry)
- Topactive OKTO (acidic foam disinfectant for the food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



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Food and Beverage