

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 tests were performed with solutions of cleaning and disinfection products used in the food processing industry on **Capacitive Level Sensors Housing Parts (stainless steel, PTFE, Valox)** that represent the capacitive sensors **CAXXFAxxxxxxxxxx**.

Products tested:

- Topaz AC1 (acidic foam cleaner for the food industry)
- Topaz AC3 (acidic foam cleaner for the food industry)
- Topaz CL1 (chlorinated alkaline foam cleaner for the food industry)
- Topaz MD3 (alkaline foam cleaner for the food industry)
- Topactive OKTO (acidic disinfectant for the food and beverage industry)
- Topactive DES (acidic disinfectant for the food and beverage industry)

Test procedure:

- Immersion of the housings in test media for 240 hours at 50 °C (Topaz products, 4 – 5%-w/w) and 23 °C (Topactive OKTO and Topactive DES, 1%-w/w)
Solutions of Topactive OKTO, Topactive DES and Topaz CL1 were replaced every second day.
- Visual examination and evaluation like swelling, embrittlement, discoloring, corrosion and change of mass compared to initial state.

The material resistance of the tested sensor housings with the products listed above is considered to be positive.

Monheim am Rhein, 17.12.2019

Christof Nolde
Laboratory Services Manager Europe
Food and Beverage