

Certificate

Ecolab ApS
Food & Beverage
Carl Jacobsens Vej 29
DK-2500 Valby

hereby certifies that for

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

material resistance test were performed on **PA18 photoelectric switches** with cleaning and disinfectants used in the food processing industry.

Products tested:

- P3-topax 19 (alkaline foam cleaning for the food industry)
- P3-topax 56 (acidic foam cleaning for the food industry)
- P3-topax 66 (alkaline, chlorine containing foam cleaning for the food industry)
- P3-topactive DES (acidic foam disinfectant for the food industry)

Test procedure:

- Complete immersion in test media for 21 days at 20°C.
- Visual judgment like swelling, embrittlement, discoloring and compared to zero-valent factor (demineralized water)

The material resistance of the tested photoelectric switches with the tested P3-products has been considered to be positive according to the cleaning procedure (see cleaning plan).

Valby, 19.11.2010



Lars Mikkelsen