



Ecolab (Schweiz) GmbH
Kriegackerstrasse 91
CH-4132 Muttenz

certifies that for

Baumer Electric AG
Hummelstr. 17
CH-8500 Frauenfeld

a

material resistance test

was performed with the cleaners and disinfectants **P3-topax 56, P3-topax 66, P3-topax 990 and P3-topactive DES** and demineralized water as a zero reference factor.

The material resistance of the tested optoelectronic sensors

serie FxDR 14

is compared with the tested P3-products resistant according to the cleaning procedure mentioned overleaf.

Muttenz, 2.5.2011

Ecolab (Schweiz) GmbH

Thomas Schöler

Stefan Nobel

This certificate is based on:

- documented test procedures (test no.: F&E/P3-E Nr. 40-1) according to material resistance
- defined product descriptions
- standardized cleaning procedure

Test procedure Ecolab-test F&E Nr. 40-1

Dipping test:

- Complete immersion in solutions/liquid

Test period:

- 28 days

Temperature:

- room temperature (constant)

Analysis:

- Visual judgement like swelling, brittleness, discoloring
- compared to zero-reference factor (demineralized water)
- Photo documentation

Product specifications:

P3-topactive DES

Acid disinfectant based on peracetic acid/hydrogen peroxide for the food and beverage industries

P3-topax 56:

Acid foam cleaning substance for the food and beverage industry

P3-topax 66:

Alkaline foam cleaning detergent with active chlorine for machine cleaning in the food and beverage industry

P3-topax 990:

Neutral disinfectant based on Alkylaminacetat for the food industry

Cleaning plan for food and beverage industry*



Rinsing with water 40 – 50°C

Rinsing with low pressure. Rinsing from top to bottom in the direction of the drains. Cleaning of the drains.



Foaming from bottom to top

alkaline: P3-topax 66 2 – 5 % daily
acid: P3-topax 56 2 % on demand
temperature: cold up to 40°C
contact time: 15 min. recommended



Rinsing with water 40 – 50°C

Rinsing from top to bottom with low pressure

Spray/Foam disinfection P3-topactive DES 1-3 %, 10-30 min

Spray/Foam disinfection P3-topax 990 1-2 %, 15 – 30 min

* short description