



**Ecolab GmbH & Co. OHG**  
P.O. Box 13 04 06  
D-40551 Düsseldorf

certifies that for

**Hans Turck GmbH & Co. KG**  
Witzlebenstraße 7  
D-45472 Mülheim/Ruhr

**material resistance tests**

were performed with cleaning/disinfecting substances **P3-topactive 200, P3-topactive DES, P3-topax 52 , P3-topax 91** and demineralized water as a zero reference factor.

The material resistance of the tested

**sensors M25UEQ8 and M25RBQ8**

to the P3 products used in the test can be considered to be positive according to the cleaning procedure mentioned overleaf.


Düsseldorf, 08.05.2009

**Ecolab GmbH & Co. OHG**

i.V.

  
Thomas Tyborski

i. V.

  
Reimund Laaff

## 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

#### QS R&D/P3-E 35-1/40-1

#### 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
- Based on Test report 8.05.2009

### Product specifications:

#### P3-topactive DES

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

#### P3-topactive 200

Alkaline, chlorine-free foam cleaner for TFC-technology in the food and beverage industries

#### P3-topax 56:

Acid foam cleaning substance for the food and beverage industry

#### P3-topax 91:

Neutral disinfectant based on Quarternary Ammonium Compounds (QAC) 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-topactive 200 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

**Foam disinfection** P3-topactive DES 1-3 %, 10-30 min.

**Spray disinfection** P3-topax 91, 1-2 %, 30-60 min.