



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.