



**Ecolab Deutschland GmbH  
Reisholzer Werftstraße 38 - 42  
D-40589 Düsseldorf**

certifies that for

**K.A. Schmersal GmbH  
Möddinghofe 30  
D-42279 Wuppertal**

### **material resistance tests**

were performed with cleaning substances **P3-topactive DES, P3-topactive LA, P3-topax 56, P3-topax 66 and P3-topax 91** and demineralized water as a zero reference factor.

The material resistance of the tested

### **Magnetic sensor BNS 40S**

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

Düsseldorf, 16th of march 2012

**Ecolab Deutschland GmbH**

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**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-topactive LA**

Alkaline, chlorine-free foam cleaner 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 91:**

Neutral disinfectant based on Quaternary Ammonium Compound (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 LA or 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 91 1-2 %, 15 – 30 min

\*short description