



**Ecolab Deutschland GmbH  
Ecolab-Allee 1  
D-40789 Monheim am Rhein**

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 66 and P3-topax 91** and demineralized water as a zero reference factor.

The material resistance of the tested materials

**AZ/AZM300 and AZ/AZM-B1**

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

Düsseldorf, 11th March 2013

**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 66:

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

#### P3-topax 91:

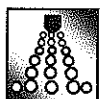
Neutral disinfectant based on Quaternary Ammonium Compound (QAC) for the food industry

## 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

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