



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

certifies that for

**Tiemann Schutz-Systeme GmbH  
Lübbecker Str. 16  
32257 Bünde**

**material resistance tests**

were performed with cleaning/disinfecting substances **P3-topax 66, P3-topactive OKTO, P3-topax 990, Topactive 500 and Topactive 200** and demineralized water as a zero reference factor.

The material resistance of the tested system

**HYGIENEFENCE®**  
**Stainless steel safety fence system**

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

Monheim am Rhein, 16<sup>th</sup> April 2018

**Ecolab Deutschland GmbH**

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**This certificate is based on:**

- documented test procedures (test no.: F&E/P3-E Nr. 40-1; rev 5) according to material resistance
- defined product descriptions
- test report for the Ecolab certification carried out at SLG Prüf- und Zertifizierungs GmbH (Protocol No. 6012-18-GG-18-PP001)

**Test procedure\***

**Ecolab-test F&E Nr. 40-1**

**Test material:** HYGIENEFENCE® stainless steel fence system

**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
- Function test

**Product specifications:**

**P3-topactive OKTO\***

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

**P3-topax 66**

Alkaline foam cleaner with available chlorine for the food and beverage industry

**P3-topax 990**

Mild-alkaline, chlorine-free sanitizer in the food and beverage industries

**Topactive 200**

Alkaline, chlorine-free foam cleaner for the food and beverage industry

**Topactive 500**

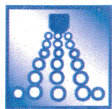
Acid foam cleaning substance for the food and beverage industries

**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



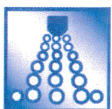
**Foaming from bottom to top**

alkaline:	Topactive 200 or P3-topax 66	2 - 5 % daily
acid:	Topactive 500	2 % on demand
temperature:	cold up to 50°C	
contact time:	15 min. recommended	



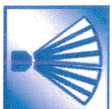
**Rinsing with water 40 – 50°C**

Rinsing from top to bottom with low pressure



**Foam disinfection**

	P3-topactive OKTO	1 %, 10-30 min
alternative	P3-topax 990	1 %, 30 min



Rinse with potable water after disinfection!

\*\*Short description. The final step of a cleaning regime is always a thorough water rinse!

\*Small deviation was found for P3-topactive OKTO: Rust at a small area.