



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

certifies that

**HARTING Electric GmbH & Co. KG
Wilhelm-Harting-Straße 1
32339 Espelkamp
Germany**

performed

material resistance tests

with cleaning/disinfecting substances **Topactive 200, P3-topax 19, P3-topax 52, P3-topax 56, P3-topax 66, P3-topax 990** and demineralized water as a zero reference factor.

The material resistance of the tested

Han® F+B Hood and Housing

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

Monheim am Rhein, 13th April 2015

Ecolab Deutschland GmbH

i.A.


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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
- test report No. 14-0773-MEC for the Ecolab certification

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
- Function test

Product specifications:

P3-topax 19

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

P3-topactive 200

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

P3-topax 52:

Acid foam cleaning substance for the food and beverage industries

P3-topax 56:

Acid foam cleaning substance for the food and beverage industries

P3-topax 66:

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

P3-topax 990

Neural disinfectant based on amin acetate 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-topax 19/Topactive 200

3 - 5 % daily

alternative P3-topax 66

2 - 5 % daily

acid: P3-topax 52/56

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-topax 990

1-3 %, 10-20 min

Rinse after disinfection!

*short description