



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

certifies that for

**LED2WORK GmbH
Stuttgarter Str. 13a
D-75179 Pforzheim**

material resistance tests

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

The material resistance of the tested LED light series

- **INROLED50**

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

Monheim am Rhein, 21st July 2020

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
- test report for the Ecolab certification 20200526

Test procedure

Ecolab-test F&E Nr. 40-1

Test material:

- mentioned in the test as INROLED50 coated

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 OKTO

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

P3-topax 66

Alkaline foam detergent sanitizer with available chlorine for the food and beverage industries

P3-topax 990

Mild-alkaline, chlorine-free sanitizer for 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!