



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

certifies that for

microsonic GmbH
Phoenixseestraße 7
44263 Dortmund
Germany

material resistance tests

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

The material resistance of the tested stainless steel sensors

- **pms-XXX/CY/A1_B1**

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

Monheim am Rhein, 29th November 2017

Ecolab Deutschland GmbH

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This certificate is based on:

- documented test procedures (test no.: PM 40-1 Rev 5) according to material resistance
- defined product descriptions
- test report for the Ecolab certification No. 6056-17-GG-17-PP001 performed by SLG Prüf- und Zertifizierungs GmbH 18.10.2017

Test procedure* Ecolab-test PM 40-1

Dipping test:

- Complete immersion in solutions/liquid

Test period:

- 28 days

Temperature:

- constant room temperature (20-25°C)

Analysis:

- Visual judgement like swelling, brittleness, discoloring
- compared to zero-reference factor (demineralized water)
- Photo documentation see Test protocol No.6056-17-GG-17-PP001

Product specifications:

P3-topactive OKTO:

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

Topactive 200:

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

Topactive 500:

Acid foam cleaning substance for the food and beverage industries

P3-topax 990:

Neutral, non oxidizing disinfecting agent for foam application in the food and beverage industry.

P3-topax 66:

Alkaline foam cleaning detergent with active chlorine for machine cleaning in 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:	P3-topax 66	5 % daily
alternative	Topactive 200	5 % daily
acid:	Topactive 500	5 % 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	1-3 %, 10-30 min
	P3-topax 990	3%

Rinse after disinfection!