



Klub Polskich  
Laboratoriów  
Badawczych  
POLLAB

Członek rzeczywisty  
Klubu POLLAB nr 949



## TEST REPORT No 21/2024

shortened version according with document  
TEST REPORT No 19/2024 Issue 02 on 9.07.2024. copy 01  
(contains detailed research data)

**TEST METHOD:** JIS Z 2801:2000  
**Antimicrobial products - Test for antimicrobial activity and efficacy**

**ANTIMICROBIAL (ANTIBACTERIAL) ACTIVITY:** the value of the difference (expressed in  $\log_{10}$ ) of live bacterial cells found on inoculated samples of the product with an antibacterial additive and control samples (without the additive) after 24 hours of contact time under the given test conditions

**CLIENT/ SUPPLIER:** ADR System Anna Wosińska  
ul. Św. Duchy 60,  
63-200 Jarocin  
NIP: 584 040 05 43

**DATE OF ORDER:** 31.05.2024.

**TEST CONDITIONS INDICATED BY THE CLIENT:** conditions simulating the use of paint: incubation at the temperature optimal for the growth of test strains (35° C) and humidity associated with infection sample (4x4cm of surfaces was inoculated with a liquid bacterial suspension (0.4 ml), covered with polystyrene foil and incubation in Petri dishes without ventilation)

**TYPE OF SAMPLES TESTED:** dry coatings of paint on polystyrene (5x5 cm), samples with additives ADR Sol for Paint, without biocides

**TYPE OF CONTROL SAMPLES:** polystyrene (5x5 cm)

**INFORMATION DATA OF THE INVESTIGATOR**

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Microbiology & Research  
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**DATE OF START THE TEST:** 7.06.2024.

**DATE OF END THE TEST:** 19.06.2024.

**DATE OF END TEST REPORT:** 19.06.2024.

In research conducted according to the method JIS Z 2801:2000 surfaces of tested samples **Paint NoEM Electro Protector, white paint (P20)** and **Paint NoEM Electro Protector, transparent paint (P21)** after 24 hours contact time with the following strains and indicated test conditions obtained the results in accordance with the data on table below:

| Test sample                                     | Laboratory ID | Test strain                            | Time contact with indicated test condition | Control sample   | Test sample | Test Results   | The Criterion |      | Percentage of reduction |
|---|---------------|--|--|------------------|-------------|--|---------------|------|-------------------------|
|   |               |  |  | after incubation |             | The value of the antibacterial activity of the surface of the tested samples [R] | R ≥ 2,0       |      |                         |
|   |               |  |  | [jtk/ml]         | $\log_{10}$ |  |               | %    |                         |
| Paint NoEM Electro Protector, white paint       | P20           | <i>E.coli</i> ATCC 8739                | 24h  | 252613           | <10         | 4,40   | >2,0          | PASS | 99,9960                 |
|   |               | <i>Staphylococcus aureus</i> ATCC 6538 |  | 56490            | <10         | 3,75   | >2,0          | PASS | 99,9823                 |
| Paint NoEM Electro Protector, transparent paint | P21           | <i>E.coli</i> ATCC 8739                |  | 252613           | 46          | 3,74   | >2,0          | PASS | 99,9818                 |
|   |               | <i>Staphylococcus aureus</i> ATCC 6538 |  | 56490            | <10         | 3,75   | >2,0          | PASS | 99,9823                 |

Dyrektor ds. badań M&R LAB

*Renata Szczygłowska*  
dr Renata Szczygłowska

Place, date: 9.07.2024.  
Surname Name and function: Scientific Director: Ph.D. Renata Szczygłowska

The test results relate only to the samples stated in the Test Report. In the case, when samples were provided by the Ordering Party or Producer, the Laboratory is not responsible for the description of the samples, origin, representativeness and the method of collection and delivery.

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END OF REPORT

TEST REPORT no 21/2024 Issue 01 z dn. 9.07.2024. copy 01 (English version)

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