



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. Ducha 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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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

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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