PROTOCOL NO. 25

Re: microbiological testing for bactericidal properties of a paint, assigned by the company "Orgachim" JSC, town of Ruse

1. Materials – a sample of the product – "LEKO SILVER" was delivered to the "Microbiology" lab.

2. Purpose – determining the fungicidal properties of the paint.

3. Method – the efficiency of the paint is tested in accordance with the antibacterial test JIS Z 2801:2000 with some modifications.

Method principle: the tested paint is applied in two coatings on glass plates. Add a spore suspension of the test strains:

Aspergillus niger, Alternaria sp., Cladosporium sp., Penicillium sp.

Cultivated in a thermostat at $(25\pm3)°C$ for 6 weeks.

The number of surviving cells is determined quantitatively. The initial dose of the test strains used for contamination is determined by means of tests – through sowing on agar medium.

4. Results – reported in a table:

Tested material	Quantity of viable cells (KOE/cm^3) at:			
	Aspergillus niger	Alternaria sp.	Cladosporium sp.	Penicillium sp.
"LEKO SILVER"	< 10	< 10	< 10	< 10
Control of the inoculum	$2,1.10^7$	$4,7.10^6$	$5,3.10^6$	$1,6.10^7$

The results obtained from the testing show over 99,99% reduction of bacterial cells of *E.coli* and of *S.aureus*.

5. Conclusion: The conducted microbiological testing of "LEKO SILVER", assigned by the company "Orgachim" JSC, town of Ruse, show that the paint has bactericidal properties.

Head of "Microbiology" laboratory: *<signed>*
/Senior Researcher, Dr. L. Chipilska/
<stamped with the round seal of Laborex-EAD, Sofia>

LABOREX-EAD
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Incoming No. ......

The undersigned Tsvetelina Bogomilova Bogdanova do hereby certify that this is a true and correct translation I have made from Bulgarian into English of the document attached hereto. The translation includes 1 page.

Translator: ..../Tsvetelina Bogomilova Bogdanova/