

TEST CERTIFICATE

BT-20-07-15-02

Client: SWISS KRONO sp. z o.o.
ul. Serbska 56, 68-200 Żary, Poland

Product:

- SWISS KRONO Laminated MDF flameproof Stop Fire
- SWISS KRONO Laminated MDF
- SWISS KRONO Laminated Particleboard flameproof Stop Fire
- SWISS KRONO Laminated Particleboard

Order: Determination of the antibacterial properties of surfaces

Test engineer: Dipl.-Biol. Katharina Plaschkies

Test standard: ISO 22196 (2011): Plastics – Measurement of the antibacterial activity on plastics surfaces.

Replicates: 6 (3 specimens, 2 replicates per dilution); 10 replicates for the reference N₂₄

Inoculum: 5×10^5 CFU/ml

Incubation: 24 hours at 36 °C

Reference material: Polyethylene film

Test area: 40 mm × 40 mm

Test report: no. 2220033 (07/07/2020)

Results:

Decimal logarithm of the number of viable bacteria after the incubation time of 24 hours [CFU/cm²]

	<i>Staphylococcus aureus</i> DSM 799	<i>Escherichia coli</i> DSM 1576
Reference material	$U_{T_Sa} = 3.4$	$U_{T_Ec} = 3.2$
Laminated board SWISS KRONO	$A_{T_Sa} < 1.4$	$A_{T_Ec} < 1.1$
Antibacterial activity*: $R = U - A$		
Laminated board SWISS KRONO	$R_{Sa} > 2.0$	$R_{Ec} > 2.1$

*) A clear antibacterial activity is given if $R \geq 1.0$ at both bacteria strains.

The test material is classified as “antibacterial”.

Dresden, 15/07/2020



Head of laboratory




Engineer in charge