

T E S T C E R T I F I C A T E

BT-20-05-27-01

Client: Swiss Krono Sp.z.o.o.
ul. Serbska 56, 68-200 Żary, Poland

Product: HPL SWISS KRONO

Order: Determination of the antibacterial properties of worktop 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 × 10⁵ CFU/ml

Incubation: 24 hours at 36 °C

Reference material: Polyethylene film

Test area: 40 mm × 40 mm

Test reports: (1) no. 2219031 (27/09/2019) / (2) no. 2219043 (05/11/2019)
representative test product: BLATY KUCHENNE SWISS KRONO

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 _{(1)_Sa} = 2.4	U _{(2)_Sa} = 4.4	U _{(1)_Ec} = 4.7	U _{(2)_Ec} = 5.6
HPL SWISS KRONO	A _{(1)_Sa} < 1.1	A _{(2)_Sa} < 1.1	A _{(1)_Ec} = 3.7	A _{(2)_Ec} < 1.1
Antibacterial activity*: R = U – A				
HPL SWISS KRONO	R_{(1)_Sa} > 1.3	R_{(2)_Sa} > 3.3	R_{(1)_Ec} = 1.0	R_{(2)_Ec} > 4.5

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

The test material "HPL SWISS KRONO" is classified as "antibacterial".

Dresden, 27/05/2020



Head of laboratory




Engineer in charge