



Entwicklungs- und Prüflabor
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Test laboratory accredited by Deutsche Akkreditierungsstelle GmbH (DAkkS)
(German Accreditation System of Testing) acc. to DIN EN ISO/IEC 17025



Deutsche
Akkreditierungsstelle
D-PL-11054-01-00

TEST CERTIFICATE

BT-13-11-25-01

Dresden, 25/11/2013
PI

Client: SPRELA GmbH, Westbahnstraße 1, 03130 Spremberg, Germany
Product: HPL-Dekor A285, thickness 0.61 mm, Type HGP according to EN 438
Service: Test on the antibacterial properties
Person in charge: Dipl.-Biol. Katharina Plaschkies
Test procedure: ISO 22196 (2007): Plastics – Measurement of antibacterial activity on plastics surfaces.
Replicates: 6 (3 test specimens, 2 replicates of each dilution series)
Incubation: 24 hours
Reference material: Polyethylene film
Specimens: 50 mm × 50 mm × 1.5 mm
Test report: no. 2213073, 21/11/2013
Results:

lg (number of viable bacteria/cm ² after 24 hours)		Antibacterial activity (R = U _T – A _T)
reference material (U _T)	HPL-Dekor A285 (A _T)	
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> DSM 799 (inoculum: 1.7 × 10 ⁴ viable bacteria/cm ²)		
lg 1.1 × 10 ⁵ = 5.1	lg < 6.0 = < 0.8	> 4.3
<i>Escherichia coli</i> DSM 1576 (inoculum: 1.6 × 10 ⁴ viable bacteria/cm ²)		
lg 7.4 × 10 ⁵ = 5.9	lg < 6.0 = < 0.8	> 5.1

The number of bacteria was reduced on the test material within 24 hours by more than 4.3 lg-stages. A remarkable antibacterial activity was determined.

Head of laboratory



Engineer in charge