



Shirley  
Technologies  
Limited

Shirley Technologies Limited  
Unit 11, Westpoint Enterprise Park  
Clarence Avenue, Trafford Park  
Manchester, M17 1QS  
England

Tel: +44 (0)161 869 1610  
Fax: +44 (0)161 872 6492  
Web: <http://www.shirleytech.com>  
Email: [info@shirleytech.co.uk](mailto:info@shirleytech.co.uk)

COMMONLY USED STANDARDS	EXAMPLES OF PRODUCTS TESTED
<b>QUANTITATIVE ASSESSMENT OF ANTIBACTERIAL TESTS</b>	
<ul style="list-style-type: none"><li>▪ AATCC 100</li><li>▪ ASTM 2149</li><li>▪ ASTM 2180</li><li>▪ BS EN ISO 20743</li><li>▪ BS EN ISO 846</li><li>▪ BS ISO 22196</li><li>▪ JIS L 1902</li><li>▪ JIS Z 2801</li></ul>	<ul style="list-style-type: none"><li>▪ Assessment of:<ul style="list-style-type: none"><li>○ Antibacterial finishes on textiles</li><li>○ Antibacterial inherent properties</li><li>○ Antibacterial immobilised agents/ non-leaching agents</li></ul></li><li>▪ Products tested:<ul style="list-style-type: none"><li>○ All clothing types</li><li>○ Household textiles</li><li>○ Plastics</li><li>○ Rubber</li><li>○ Shoe linings</li><li>○ Floor coverings</li></ul></li></ul>
<b>QUALITATIVE ASSESSMENT OF ANTIBACTERIAL TESTS – AGAR DIFFUSION TESTS</b>	
<ul style="list-style-type: none"><li>▪ AATCC 147</li><li>▪ AATCC 174</li><li>▪ BS EN ISO 20645</li><li>▪ SNV 195 920</li></ul>	<ul style="list-style-type: none"><li>▪ Assessment of:<ul style="list-style-type: none"><li>○ Antibacterial diffusible agents</li><li>○ Antibacterial hygienic finishes</li></ul></li><li>▪ Products tested:<ul style="list-style-type: none"><li>○ All clothing types</li><li>○ Household textiles</li><li>○ Carpet</li><li>○ Floor coverings</li></ul></li></ul>

**If you require assistance with a standard not mentioned above, please do not hesitate to contact us; we may be equipped or already offer this test.**

**For further information, please contact:**

Nibela Asghar, Operational Head, +44(0) 161 869 1610; [nibela.asghar@shirleytech.co.uk](mailto:nibela.asghar@shirleytech.co.uk)  
Ian Strudwick, Technical Manager, +44(0) 161 869 1610; [ian.strudwick@shirleytech.co.uk](mailto:ian.strudwick@shirleytech.co.uk)



Shirley  
Technologies  
Limited

Shirley Technologies Limited  
Unit 11, Westpoint Enterprise Park  
Clarence Avenue, Trafford Park  
Manchester, M17 1QS  
England

Tel: +44 (0)161 869 1610  
Fax: +44 (0)161 872 6492  
Web: <http://www.shirleytech.com>  
Email: [info@shirleytech.co.uk](mailto:info@shirleytech.co.uk)

COMMONLY USED STANDARDS	EXAMPLES OF PRODUCTS TESTED
<b>MICRO FUNGAL RESISTANCE TESTS</b>	
<ul style="list-style-type: none"><li>▪ AATCC 30 - Tests II and IV</li><li>▪ ASTM G21</li><li>▪ BS EN ISO 14119</li><li>▪ BS EN ISO 846</li><li>▪ BS 6085</li><li>▪ BS 2011</li><li>▪ BS EN ISO 13629-2</li><li>▪ BS EN 60068-2-10</li><li>▪ RTCA/ DO – 160</li></ul>	<ul style="list-style-type: none"><li>▪ Evaluating the efficiency of biocides, rot and mildew resistance.</li><li>▪ Products tested:<ul style="list-style-type: none"><li>○ Outdoor textiles used above ground</li><li>○ Sail cloths, outdoor clothing</li><li>○ Household textiles</li><li>○ Kitchen and bathroom products</li><li>○ Textiles</li><li>○ Leather</li><li>○ Plastics</li><li>○ Rubber</li></ul></li></ul>
<b>SOIL BURIAL TESTS</b>	
<ul style="list-style-type: none"><li>▪ AATCC 30 Test I</li><li>▪ BS EN ISO 11721</li><li>▪ BS EN 12225</li><li>▪ BS EN ISO 846 Test D</li><li>▪ BS 6085 Part 2</li></ul>	<ul style="list-style-type: none"><li>▪ Microbiological resistance by soil burial</li><li>▪ Outdoor textiles in contact with soil:<ul style="list-style-type: none"><li>○ Tents</li><li>○ Sandbags</li><li>○ Tarpaulins</li><li>○ Shoe liners</li><li>○ Geotextiles</li></ul></li></ul>
<b>ANTI MYCOTIC ACTIVITY – AGAR DIFFUSION TESTS</b>	
<ul style="list-style-type: none"><li>▪ AATCC 30 - Test III</li><li>▪ AATCC 174</li><li>▪ BS EN 14119 - Method B2</li><li>▪ SNV 195 921</li></ul>	<ul style="list-style-type: none"><li>• Textiles exposed to damp conditions:<ul style="list-style-type: none"><li>○ Clothing</li><li>○ Kitchen and bathroom textiles</li><li>○ Home furnishings</li><li>○ Floor coverings, carpets</li><li>○ Plastics and rubber</li></ul></li></ul>

**If you require assistance with a standard not mentioned above, please do not hesitate to contact us; we may be equipped or already offer this test.**

**For further information, please contact:**

Nibela Asghar, Operational Head, +44(0) 161 869 1610; [nibela.asghar@shirleytech.co.uk](mailto:nibela.asghar@shirleytech.co.uk)  
Ian Strudwick, Technical Manager, +44(0) 161 869 1610; [ian.strudwick@shirleytech.co.uk](mailto:ian.strudwick@shirleytech.co.uk)

Shirley Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL  
A company registered in England & Wales with company number 04669651



Shirley  
Technologies  
Limited

Shirley Technologies Limited  
Unit 11, Westpoint Enterprise Park  
Clarence Avenue, Trafford Park  
Manchester, M17 1QS  
England

Tel: +44 (0)161 869 1610  
Fax: +44 (0)161 872 6492  
Web: <http://www.shirleytech.com>  
Email: [info@shirleytech.co.uk](mailto:info@shirleytech.co.uk)

COMMONLY USED STANDARDS	EXAMPLES OF PRODUCTS TESTED
<b>RESISTANCE OF PROTECTIVE CLOTHING BY BLOOD-BORNE PATHOGENS</b>	
<ul style="list-style-type: none"><li>▪ ASTM 1670</li><li>▪ ASTM 1671</li><li>▪ BS ISO 16603</li><li>▪ BS ISO 16604</li></ul>	<ul style="list-style-type: none"><li>▪ Effectiveness of materials against blood borne pathogens.</li><li>▪ Products tested:<ul style="list-style-type: none"><li>○ Medical textiles</li><li>○ Protective suits</li><li>○ Fire-fighter outfits</li><li>○ Surgical gowns and drapes</li><li>○ Overalls</li></ul></li></ul>
<b>MICROBIOLOGICAL CLEANLINESS AND BARRIER PROPERTIES</b>	
<ul style="list-style-type: none"><li>▪ BS EN 1174</li><li>▪ BS EN ISO 11737</li><li>▪ BS EN 13795</li><li>▪ BS EN ISO 22612</li><li>▪ BS EN ISO 22610</li></ul>	<ul style="list-style-type: none"><li>▪ Evaluations performed:<ul style="list-style-type: none"><li>○ Dry bacterial penetration</li><li>○ Wet bacterial penetration</li><li>○ Bioburden of sterile products</li></ul></li><li>▪ Products tested:<ul style="list-style-type: none"><li>○ Medical textiles</li><li>○ Medical devices</li><li>○ Surgical gowns and drapes</li></ul></li></ul>

If you require assistance with a standard not mentioned above, please do not hesitate to contact us; we may be equipped or already offer this test.

For further information, please contact:

Nibela Asghar, Operational Head, +44(0) 161 869 1610; [nibela.asghar@shirleytech.co.uk](mailto:nibela.asghar@shirleytech.co.uk)  
Ian Strudwick, Technical Manager, +44(0) 161 869 1610; [ian.strudwick@shirleytech.co.uk](mailto:ian.strudwick@shirleytech.co.uk)