

**NORTHERN INDIA TEXTILE RESEARCH ASSOCIATION, GHAZIABAD**  
**ANTIMICROBIAL (ANTI BACTERIAL & ANTIFUNGAL) TESTING**

S. No.	Nature of Test (Test Parameter)	Commonly used Test Method
<b>MICROBIOLOGY RELATED TEST</b>		
<b>A. Anti Bacterial Evaluation test</b>		
1.	Antimicrobial Finishes on Textile materials: Assessment -Staphylococcus aureus ATCC No 6538 -Klebsiella pneumonia ATCC No 4352	AATCC 100
2.	Antimicrobial Activity Assessment of Textile Materials: Parallel Streak method	AATCC 147
3.	Antimicrobial Activity Assessment of new carpet i. Qualitative assessment ii. Quantitative assessment	AATCC 174
4.	Antibacterial activity assessment of textile materials: Agar plate method	AATCC 90
5.	Determination of antibacterial activity of textile product	ISO 20743
6.	Measurement of antibacterial activity on plastics and other non-porous surface	ISO 22196
7.	Determination of antibacterial activity of textile product- Agar diffusion plate test	ISO 20645
8.	To evaluate the antibacterial efficacy of antibacterial finished textile product	JIS L 1902
9.	To determine the resistance to dry bacterial penetration	IS 16548, ISO 22612
<b>B. Antifungal Evaluation</b>		
10.	To determine the degradability of textile materials-Part-1	AATCC 30- Part-1

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11.	To evaluate the susceptibility of textile specimen against fungal <i>Chaetomium globsum</i> -Part-2	AATCC 30- Part-2
12.	To evaluate the susceptibility of textile specimen against fungal like <i>Aspergillus niger</i> .-Part-3	AATCC 30- Part-3
13.	Standard practice for determining resistance of synthetic polymeric materials to fungi	ASTM G 21
14.	Detection of mildew /rot proofness	MIL-STD-810 F Method 508.5.1

**Note:**

*Tests are being carried out as per IS, ASTM, DIN, ISO, BS, AATCC, EN, MIL, JIS Standards and any other method as per the party's request.*

*May also create facilities of tests other than above as per the requirement of parties.*

*Before sending the sample, please ensure that sample selected represents the lot.*

*For further necessary details please contact NITRA labs.*