

# सूती वस्त्रों के लिए सूक्ष्मजीवविज्ञानी परीक्षण और परामर्श सेवाएँ

## MICROBIOLOGICAL TESTING AND CONSULTANCY SERVICES FOR COTTON TEXTILES



भाकृअनुप- केंद्रीय कपास प्रौद्योगिकी अनुसंधान संस्थान  
एडनवाला रोड, माटुंगा (पूर्व), मुंबई- 400 019.

ICAR-Central Institute for Research on Cotton Technology  
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ISO 9001:2015

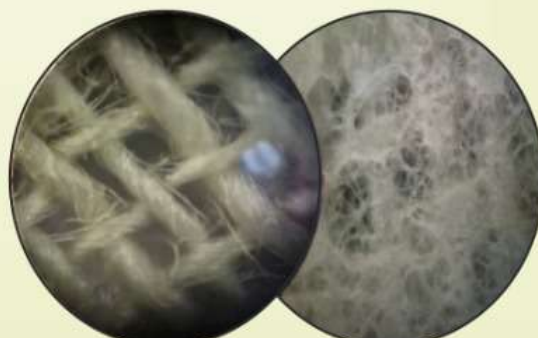
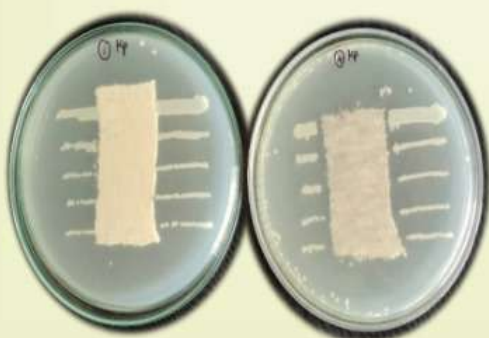
## About the Institute

ICAR-CIRCOT is a premier institute of the Indian Council of Agricultural Research (ICAR), functioning under the Department of Agricultural Research and Education (DARE), Ministry of Agriculture and Farmers' Welfare, Government of India. The Institute undertakes research and development in cotton processing and value-addition technologies and has been a recognized leader for over a century in testing, standardization, and the development of test methods for diverse textile materials. Its Microbiology and Nanotechnology Section is equipped with state-of-the-art instruments related to cotton processing and testing. Under the direct supervision of scientists, well-qualified technical officers conduct tests in the field of microbiology. All testing instruments are properly calibrated and maintained, and the test methods used conform to international or national standards, or ICAR-CIRCOT's own validated procedures. Detailed information on test fees is available on the Institute's website: [www.circot.icar.gov.in](http://www.circot.icar.gov.in)



### I. Standard Tests for Assessment of Fabrics

No.	Title of test	Std	Method No.
1	Test Method for Antibacterial Activity of Textile Materials: Parallel Streak	AATCC	TM147-2011 (2016)e
2	Test Method for Antibacterial Finishes on Textile Materials: Assessment of	AATCC	TM100-2019
3	Test Method for Antifungal Activity, Assessment on Textile Materials: Mildew and Rot Resistance of Textile Materials	AATCC	TM30-2017e
4	Test Method for Antimicrobial Activity of New Carpets	AATCC	TM174-2022e
5	Methods for Detection and Estimation of Damage in Cotton Fabrics Due to Micro-organisms	IS	1316-1984 (Reaffirmed 2005)
6	Methods for Testing Cotton Fabrics for Resistance to Attack by Micro-organisms	IS	1389-1984 (Reaffirmed 2005)



## II. Standard Tests for Assessment of Fibre, Yarn and Cordage

No.	Title of test	Std	Method No.
1	Methods for Detection and Estimation of Damage in Cotton Fibres Due to Micro-organisms	IS	2964-1964
2	Method for Detection and Estimation of Damage in Cotton Yarn and Cordage due to Micro-organisms	IS	1815-1985 (Reaffirmed 2003)
3	Methods of Testing Cotton Cordages for Resistance to Attack by Micro-organisms	IS	1386-1974

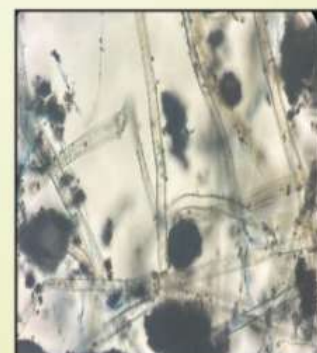
## III. Standard Tests for Assessment of Non-Textile

No.	Title of test	Std	Method No.
1	Standard Test Method for Determining the Activity of Incorporated Antimicrobial Agent(s) In Polymeric or Hydrophobic Materials	ASTM	E 2180-07 (Reapproved 2012)
2	Standard Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions	ASTM	E 2149-13a

## IV. Standard Tests for Analysis of Environmental samples (Water /Wastewater)

No.	Title of test	Std	Method No.
1	Water and Waste Water -Methods of Sampling and Test (Physical and Chemical) Part 38 Dissolved Oxygen (DO) (First Revision)	IS	IS-3025 (Part-38): 1989 (Reaffirmed 2003)
2	Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 44 Biological Oxygen Demand (BOD)(Second Revision)	IS	IS-3025 (Part-44): 2023
3	Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 58 Chemical Oxygen Demand (COD)(Second Revision)	IS	IS-3025 (Part-58): 2023

In addition to the above-mentioned tests, other tests and consultancies services may be customized as per client requirements within the scope of the expertise and facilities available at ICAR-CIRCOT.





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