



# TRINIDAD AND TOBAGO BUREAU OF STANDARDS

## Testing of Garments and Textiles

Stakeholder Consultation  
November 17, 2020  
Laboratory Services Division

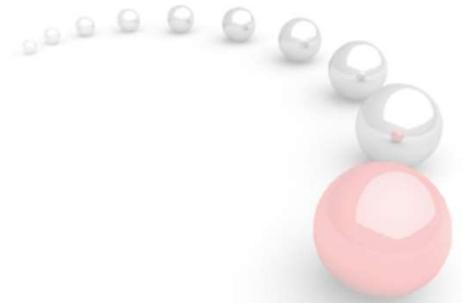
*Fostering Excellence,  
Improving Lives*



# Test requirements of PCTTCS 10:20xx Garments and Textiles- Compulsory Requirements

- Fibre Identification or Composition (by %)
- Care instructions
- Thread count (textiles)
- Textile dimensions (length and width)
- Chemical requirements- Formaldehyde and Azo dyes





# Fibre Identification

- AATCC TM20-2013 (2018)e  
Test Method for Fibre Analysis: Qualitative

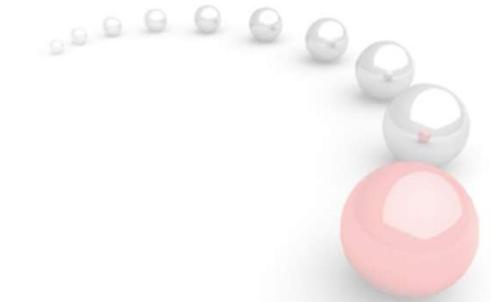
Describes the physical, chemical, and microscopical techniques for identifying textile fibers

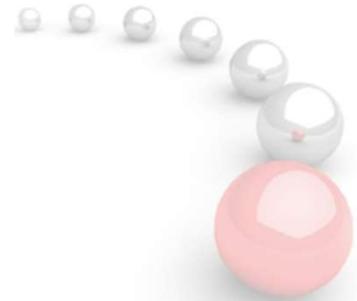


# Fibre Composition

- AATCC TM20A-2018e, Test Method for, Fibre Analysis: Quantitative

Procedures for the quantitative determination of moisture content, nonfibrous content and fibre composition of textiles.





SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

TRINIDAD AND TOBAGO BUREAU OF STANDARDS  
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Macoya, TUNAPUNA, Trinidad and Tobago  
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MECHANICAL

Valid To: April 30, 2021

Certificate Number: 5800.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on textiles, metals, weldments, electrical insulating gloves, electrical cables:

Test(s):

Test Method(s):

Physical

Fibre Products Laboratory

Qualitative Fibre Analysis

Natural Fibres (Cotton, Hemp, Linen, Fibroin (Animal), Silk, AATCC TM 20:2018e  
Keratin (Animal), Wool)

Quantitative Fibre Blend Analysis

AATCC TM 20A:2018e Procedure 4



TRINIDAD AND TOBAGO  
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Please go to <https://gottbs.com/labservices/#.X5c0EFhKj7C> for the complete accreditation listing for Chemical and Mechanical scopes.

# Care Instructions



The laboratory can perform tests to assist manufacturers in determining appropriate instructions for the following care operations:

- Washing
- Bleaching
- Drying
- Ironing and
- Dry cleaning

Using appropriate international standards (e.g. ASTM D3938/ASTM D5489, ISO 3758)





# Thread Count

Test(s):

Physical

Fibre Products Laboratory

Mass

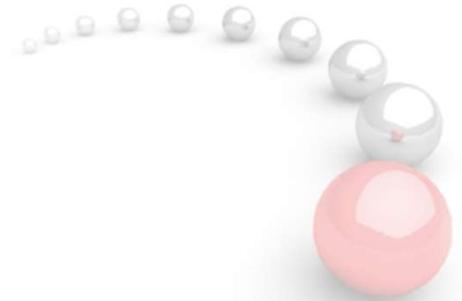
Count

Test Method(s):

ISO 3801-1977 (E),  
Method 5 Only

ASTM D3775-17

This test method covers the measurement of end (warp) and pick (filling) count and is applicable to all types of woven fabrics.



# Textile Dimensions

- Length or width determinations are done in accordance to:

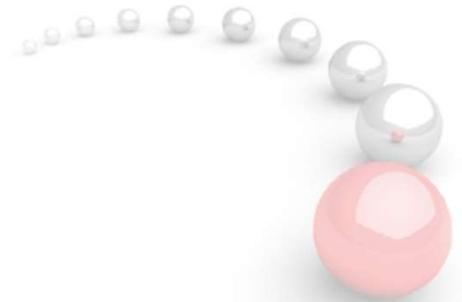
ISO 22198 Textiles- Fabrics- Determination of width and length

ASTM D3773 Standard Test Methods for Length of Woven Fabric

ASTM D3774 Standard Test Method for Width of Textile Fabric

or other equivalent standard





# Chemical requirements

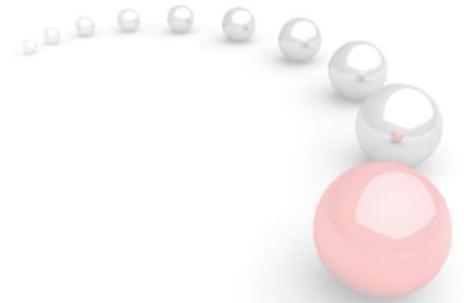
- ISO 14184-1 - Determination of Formaldehyde

*Can be done in house in our Chemical Products Laboratory*

- ISO 14362-1- Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres

*To be done external to TTBS at an approved facility*





Thank you  
For your attention