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**Textiles- Absorbent cotton gauze-  
Specification**

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## **Foreword**

This Ethiopian Standard has been prepared under the direction of Technical Committee for Textile-Fabrics (TC 70) and published by the Ethiopian Standards Agency (ESA).

In preparing this Ethiopian Standard reference has been made to the following:  
The draft is presented by working groups searched by different sources

Acknowledgement is made for the use of information from the above publication.

DRAFT STANDARD

## Textiles- Absorbent cotton gauze- Specification

### 1. Scope

This Ethiopian standard specifies the requirements for 100% cotton, open weave, bleached absorbent, non-sterilized Medical Gauze.

### 2. Normative reference

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ES ISO 9073-12, textiles - test methods for nonwovens - part 12: demand absorbency

ES 6702 Sustainable Textile Production

### 3. Terms and Definitions

For the purpose of this Ethiopian standard the definition in ES ISO 6938 and the following definition shall apply.

#### 3.1

##### Gauze:

Is thin, sheer-woven, open-mesh, low-count, plain weave, soft fabric.

### 4. Requirements

#### 4.1 General

4.1.1 The Medical Gauze shall be free from internationally banned chemicals of manufacturing restricted substance list (MRSL); and should produce via a Sustainable Textile production process as 6702.

4.1.2 The Gauze shall be woven in plain weave and bleached. It shall be free from weaving defects, sizing, dressing and filling materials, and substances liable to cause subsequent tendering.

#### 4.2 Specific

The medical Gauze shall comply with the requirements listed in table 1 below:

**Table 1 medical Gauze requirements**

| Characteristics               | Requirements          | Test Method   |
|-------------------------------|-----------------------|---------------|
| Absorbency                    | Less than 10 Seconds  |               |
| % Water Extractable           | Max 0.6%(owf)         |               |
| Ignited Residue               | Max 0.16% (owf)       |               |
| Ash                           | Max 0.12%(owf)        |               |
| pH range                      | 6.0 to 7.5            | ES ISO 3071   |
| Nominal width in cm           | 6, 8, 10, 15 and 22.5 |               |
| Warp: Nr of threads per 10 cm | 135 to 163            | ES ISO 7211-2 |
| Weft: Nr of threads per 10 cm | 84 to 96              | ES ISO 7211-2 |
| Yarn Count range Ne           | 28 to 40              | ES ISO 7211-5 |
| GSM min.                      | 33                    | ES ISO 3801   |
| Dried residue Max. in %       | 0.25                  |               |
| Weave type                    | plain                 | ES ISO 7211-1 |

Owf= on weight of the fiber

## 5. Marking

Unless otherwise specified in the agreement each piece Gauze and bulk container shall have a label marked with the following information:

- Product name
- Date of production
- Material (100% cotton)
- Size, length and width in cm
- Non-sterile
- Single-use

## 6. Packaging

Details of the packing shall be a matter of prior agreement between the buyer and the seller. In general Gauze cloth shall be folded and rolled and packed with such material in a manner to protect its absorbency and allow normal handling and transport without tearing and exposing the content.

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- ❖ Develop Ethiopian standards and establish a system that enable to check whether goods and services are in compliance with the required standards,
- ❖ Facilitate the country's technology transfer through the use of standards,
- ❖ Develop national standards for local products and services so as to make them competitive in the international market.

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### More Information?

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