



## IS 863: 2023 COTTON BANDAGE CLOTH

The Indian Standard IS 863:2023 specifies the requirements for Cotton Bandage Cloth used for medical and surgical applications. Cotton bandage cloth is used for binding, bandaging, and dressing purposes in healthcare.

This standard outlines the materials, construction, and performance characteristics of the bandage cloth to ensure that it meets the necessary quality and safety standards for use in healthcare settings. Below are the key quality parameters expected by consumers in this product:

### Material Composition

- The cotton bandage cloth must be made from cotton yarn (addressed in Cl 3.1)
- The material of bandage cloth shall be cotton fibre (addressed in Cl. 4.1, Table 1).

### Constructional and other requirements

**Length and Width of Bandage Cloth:** Shall conform to the specified dimensions, typically ensuring that the cloth can be used comfortably for medical applications and to ensure adequate coverage during use (Cl 4.2 and Table 1).

**Mass in GSM:** The bandage cloth should meet the prescribed mass specifications as per the standard. This ensures that the cloth is durable enough for use but not overly thick or heavy, which would compromise comfort (addressed in Cl 4.2 and Table 1).

**Thread Count:** The bandage cloth should have a specified number of threads ensuring proper strength and durability. This thread count will affect the cloth's ability to withstand tension during use (addressed in Cl 4.2 and Table 1).

**Sterilization:** The bandage cloth must be capable of being sterilized effectively, as it is often used in medical settings. This includes ensuring the material remains safe and effective after sterilization procedures.

**Packing and Marking:** The bandages must be properly packaged for normal handling and transport without tearing and exposing the contents (Cl 5.1).

The packaging of the bandage cloth must carry clear marking including product details like the manufacturer's name, batch number, dimensions of the bandage cloth, typically provided in rolls of a fixed width and length (Cl 6.1).

The finished product should undergo testing for dimensional stability, count of Yarn, Threads, Scouring loss, color fastness (Cl 4.2 and Table 1).

IS 863:2023 sets the benchmark for the quality, safety, and performance of cotton bandage cloth, ensuring that medical professionals have access to reliable and effective bandages for patient care. By meeting these standards, manufacturers can help ensure the material is suitable for medical use while maintaining hygiene, durability, and patient safety.