



**TECHNICAL DATA SHEET
COTTON FOR DENTAL AND MEDICAL USE
DPFTPT-072**

1. GENERALITIES OF THE PRODUCT

Cotton for dental and medical use is manufactured from Cotton Noils. This fiber is composed of 88% – 96% cellulose.

Cotton Noils is washed with cleansing and softening solutions, subjecting it to specific temperatures to eliminate all dirt or impurities. Afterwards, opening process is done preparing it for the drying process. Once dried, it is subjected to the carding process, which consists of aligning and combing the cotton fibers, and then it is prepared depending on the final presentation required.

The cotton is completely hydrophilic in order to accomplish its function as absorbent of fluids.

2. INFORMATION OF COMPOSITION

100% Noils cotton.

3. PROPERTIES OF THE PRODUCT

Biological properties: It does not cause allergic reactions, and because of its softness it does not harm or irritate mucous membranes. It does not have pathogenic microorganisms, but it is not a sterile product.

Clinical properties: It allows an easy manipulation without fibers detachment during the use; therefore, it does not adhere to mucous membranes.

Good capacity of oral fluids absorption, increasing its working time, reducing the number of replacements and facilitating the dentist's working time during the treatment.

Physicochemical properties: It is Insoluble in organic fluids (chemical stability), with a pH close to neutral.

4. USE AND APPLICATIONS

Cotton for dental use is used mainly both to absorb oral fluids facilitating the work done by the dentist in the patient's mouth and to retract the cheek while absorbing the humidity.

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Cotton for medical use, in cotton ball form, is used in first aid and for injection application, while the cotton for medical use in wool roll form is used for bandage and orthopedics.

5. PRODUCT QUALITY ASSURANCE

Cotton for dental use is manufactured with high quality raw materials, through a standardized process and certified under the ISO 9001 and ISO 13485 standards; the last one is specific for medical devices.

In addition, in the Quality Control Laboratory it is verified that the finished product of cotton for dental use is in compliance with the quality requirements according to internal procedures. The parameters that are evaluated, verify that the cotton:

- Has a good absorption capacity.
- Has a neutral pH suitable for its use.
- Is free of pathogenic microorganisms.

6. INSTRUCTIONS FOR USE

Cotton for dental and medical use should be manipulated following all the stipulated hygiene requirements for clinical procedures in which it is used; basically, the manipulation procedure is the following:

- For the instance of dental cotton, dispense the cotton from its original packing using a cotton tweezer, and with the same implement hold the cotton and place it into the patient's mouth in the desired location.
- For the instance of the medical cotton, dispense the cotton from its original packing and use it according to the specific necessity: Bandage, injection application or orthopedic. Do not use for open wounds.
- Once the dental or medical procedure is finished, throw it away immediately.
- This material is not reusable.

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7. COMMERCIAL PRESENTATIONS

7.1 Cotton for dental use

- **Starched and Braided**

Box x 2000 rolls.

Box x 500 rolls y 1000 rolls.

7.2 Cotton for medical use

- **Balls:** Bag x 5 g, 10 g, 50 g, 100 g and 500 g.
- **Cotton wool roll (surgical):** 250 g and 500 g.

8. STORAGE AND PRESERVATION CONDITIONS

Store the product in a cool, dry and clean place at $\leq 30\text{ }^{\circ}\text{C}$ (86 °F) and away from sources of ignition. Keep the product inside the original packaging.

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