

Technical Specifications for Reusable Menstrual Pads

General description

Reusable cloth pads with wings used to manage menstruation and to maintain menstrual health. Supplied as unscented.

Product description

Product shall consist of a top sheet, middle absorbent core consisting of cotton, polyester and other absorbent fabrics and a leak proof layer consisting of typically, polyurethane laminate (PUL) at the bottom. Top sheet shall be the high absorbance layer and shall be fluid transporting to the below absorbent core.

Top sheet is made of materials such as organic topped cotton or bamboo velour, hemp fleece, cotton flannel, cotton jersey and cotton fleece poly jersey etc. The absorbent core is made of materials such as Cotton Terry Toweling, Cotton Fleece, Hemp Fleece, Bamboo Fleece and Bamboo Terry, Cotton jersey, Zorb, Microfiber terry etc. (The materials are for information purpose only).

Product shall have securement mechanisms such as plastic buttons, waist strap, velcro, etc or similar for the wings to firmly attach the product to underwear to prevent dislocation while use.

Product shall be unscented only.

The pads shall be free from acids and alkali, free from dust and particulate matter, free from bad odour, no bleeding of colour, and free from shedding fibres. It shall be free from chemical residues like chlorine, herbicides, pesticides, heavy metals, azo dyes etc as per REACH regulations.

The total viable bacterial count, when determined in accordance with EN ISO 6887-1 or equivalent, shall not exceed 1000 CFU per gram of sanitary pad/towel and shall be free from Enterobacteriaceae, Staphylococcus aureus, and Pseudomonas aeruginosa etc.

Products shall be capable of being soaked and washed thoroughly in water up to 60 deg C using soap/laundry detergent. After washing with soap, they shall be able to be dried well for reuse.

Wear Time: Shall be able to wear for 4-6 hours.

pH of the extract shall be 6-8.5 when tested according to EN ISO 3071, Method B

Colour fastness test: The product shall have a colour fastness of 4 and above.

Durability: The product shall be able to withstand 60 washes minimum during hand/machine wash. The seam line shall be free of loose threads and neat. It shall have dimensional stability with good tensile strength and seam strength.

Colour: dark blue, black, purple or brown or other dark colours.

A claim on biodegradability and composting for the product shall be accompanied with independent third-party certification as per applicable ISO/EN standards.

References

ES 6346- 2018 Sanitary Pads —Specification— Part 2: Reusable

IS 5405 Specification for sanitary napkins

South African national standard Draft- SANS 1812:2019

<https://www.rhsupplies.org/news-events/news/standards-for-menstrual-health-products-1698/>

Sizes

Regular: Regular with length 180 mm to 220mm and width 60mm–100mm excluding wings

Maxi (large): Maxi with length 220mm to 260mm and width 60mm–100mm excluding wings.

Super maxi (extra-large): Supermaxi with length 260mm to 300mm and width 60mm–100 mm excluding wings.

Absorbency

Regular: Shall be able to handle normal flow.

Absorbency shall be 15 ml minimum for a coloured water or oxalated sheep or goat blood or test fluid when poured on to the centre of the napkin (at the rate of 15 ml per minute) and it shall not show up at the bottom or sides of the sanitary napkin under pressure (Supplier to share the results from a ISO 17025 approved lab during the technical document submissions).

Maxi: Shall be able to handle moderate to heavy flow

Absorbency shall be 20 ml minimum for a coloured water or oxalated sheep or goat blood or test fluid when poured on to the centre of the napkin (at the rate of 15 ml per minute) and it shall not show up at the bottom or sides of the sanitary napkin under pressure (Supplier to share the results from a ISO 17025 approved lab during the technical document submissions).

Supermaxi: Shall be able to handle moderate to heavy flow

Absorbency shall be 30 ml minimum for a coloured water or oxalated sheep or goat blood or test fluid when poured on to the centre of the napkin (at the rate of 15 ml per minute) and it shall not show up at the bottom or sides of the sanitary napkin under pressure (Supplier to share the results from a ISO 17025 approved lab during the technical document submissions).

Accessories / Spare Parts / Consumables

To be supplied with one leak proof travel pouch to store minimum two soiled pads and shall be reusable.

Instructions for use

Must be multilingual: English, French, Arabic and Spanish.

Instructions for use and shall include use, wash and care instructions, preferably by QR code or by pictograms.

Indication as to which side is absorbent; Safety warnings if any; Recommendation on wear time during menstruation. Recommendation and indications as to when to dispose the product and disposal method.

Packaging and labelling

Primary Packaging:

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The supplier shall be capable of meeting the following packaging options

- (a) One pack shall have 3-6 units of Regular in a durable packaging.
- (b) One pack shall have 3-6 units of Maxi in a durable packaging.
- (c) One pack shall have 3-6 units of Supermaxi in a durable packaging.
- (d) One pack shall have 3 units of Maxi and 1 unit of supermaxi in a durable packaging.

The primary package material shall be made of suitable materials, which are sealed to protect the pads from moisture, soiling and contamination during storage and transportation. The instructions of use to be supplied as an insert in the primary packaging.

Labelling: Printing on primary packing shall have product name, product size, manufacturers license No, address, dimensions, Lot/batch No, Date, month and year of manufacture, expiry, Number of pad, Recommended wear time, Indication as to which side is absorbent, Safety and warning statements on the primary packaging. Instruction for use and care as a QR code or pictograms (preferable to have).

Secondary packaging: Marking as specified in contract. Printing on secondary Packaging shall include Generic name of product, Lot/Batch No, Date, month and year of manufacture, Expiration date, month and year, Manufacturer's name and address, Consignee address, Number of primary packages, Gross weight.

Regulation and Conformity Requirements

Applicable QMS standards ISO 9001 minimum

Classification

Class I as per FDA. Classification may be different according different national standards.

EU: Personal hygiene device.

Safety

Comes in close contact with skin and mucosa, hence, shall not harm vaginal flora or lead to RTIs through growth of harmful microbes. Shall be free from heavy metals, chlorine, azo dyes and phthalates as per REACH regulations.

Meet the General Product Safety Directive (2001/95/EC).

Product must comply with following standards:

ISO 10993 – 5&10 Intracutaneous irritation and skin sensitization test (G.pig maximization test).

ISO 6887-1:2017 Microbiology of the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination or equivalent

ISO 6888-1:1999/AMD 2:2018 Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) or equivalent

ISO 105-C10:2006 - Textiles — Tests for colour fastness.

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Environmental requirements

Sustainable, recycled, re-used or reusable materials for packaging and the manufacturer of the reusable pad shall be preferably in compliance with or operates as per the principles of ISO 14001.

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