

TEST REPORT NUMBER : MUMFWOT232401266
DATE : 28/11/2023

MUMBAI



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TEST REPORT

TEST REPORT NUMBER : MUMFWOT232401266		MUMBAI
NAME OF CUSTOMER : M/S. JETKOOL EXPORTS INDIA		
Address: I-602, Vardhman Nagar, Dr. R.P. Road, Mulund West, Mumbai – 400080 Contact Person: Mr. Amit Lapasia Tel. No.: +91 9821321398 E-mail: jetkool@gmail.com	Date Of Sample Received: 21/11/2023	
	Date Of Test Start: 21/11/2023	
	Date Of Test Completion: 27/11/2023	
	Date Of Issue: 28/11/2023	
PRODUCT DESCRIPTION: Reusable Sanitary Napkin Nature of sample: Sanitary Napkins Quantity: 06 Nos Packaging condition: Intact Sample pick up & drawn: Not by laboratory	Data Provided By Customer	
	Brand Name: Maisha Batch No: 112023 Mfg. Date: N.A Remark if any: N.A.	

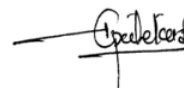
SPECIFICATION FOR REUSABLE SANITARY NAPKIN IS 17514: 2021 AMD 1

Sr. no	Specific Tests or types of Tests performed	Specification, standard (method) or technique used	Requirement as per	Test Results / Unit
1	Materials: Clause 3.0			
A	Cover or Top Sheet	IS 17514:2021 (Clause 3.1)	<p>The cover /top sheet is the material which comes under contact with skin during use. The material used for the top layer/cover shall be safe, soft to touch and should not shed any fibers when rubbed dry or wet.</p> <p>The cover of reusable sanitary pad/sanitary napkin/period panties shall be of good quality cotton, Polyester, polyester/cotton blended fabric, viscose, polyester/viscose blended fabric, rayon knitted sleeve or gauze, no-woven fabric, or any other suitable material as agreed mutually between the buyer and seller.</p>	<p>The Material used for the top layer is safe, soft to the touch and no shed any fibers when rubbed dry or wet .</p> <p>The cover of reusable sanitary napkins good quality of polyester fabric.</p>



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**[CHANDRAKANPALEKAR]
(TECHNICAL MANAGER)**

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Sr. no	Specific Tests or types of Tests performed	Specification, standard (method) or technique used	Requirement as per	Test Results / Unit
B	Absorbent core	IS 17514:2021 (Clause 3.2)	An absorbent core forming the middle layer(s) shall consist of filler materials, such as cotton, viscose, polyester, micro terry, viscose/polyester, cellulose, pulp, cellulose wadding, tissue, nonwoven materials, a combination of these materials or any other suitable absorbent materials or any other suitable absorbent materials as agreed mutually between the buyer and seller. The absorbent materials must be free from lumps, oil spots, dirt, or foreign material. The absorbent material shall not form lumps with the effect if sudden pressure.	An absorbent core forming, the middle layer is consisting of filler material is micro terry. The absorbent material is free from lumps, oil spots dirt or foreign material.
C	Bottom layer	IS 17514:2021 (Clause 3.3)	The bottom layer of reusable sanitary pad/sanitary napkin/period panties shall be made of suitable material(s) that prevent the leakage when used.	The bottom layer of reusable sanitary napkin is coated fabric
2	Manufacturing, workmanship, and finish	IS 17514:2021 (Clause 4.0)	The material used for reusable sanitary pad /sanitary napkin / period panties shall be smooth, safe for skin contact, and shall not leach dyes or bleed colour. when visually examined, the reusable sanitary pad/ sanitary napkin/period panties shall be free from defect or lumps. There shall be no loose stitching, or visible defects on the material. The materials shall be free from odour, smooth to the touch and when worn, shall not chafe or be uncomfortable for the user. They shall be free from all sorts of foreign matter.	Meet the requirement
3	Fastening Mechanism	IS 17514:2021 (Clause 5.0)	If the style /design of the reusable sanitary pad /sanitary napkin / period panties requires a fastening mechanism, there shall be a suitable device for fastening the reusable sanitary pad /sanitary napkin / period panties for secure use for example, buttons, clasps, elastic, string, Velcro or any other suitable material. The material used for the fastening mechanisms shall not cause harm to skin and shall not be abrasive when the product is used. The fastening mechanism shall be durable and free from rusting until the life cycle of the product as declared by the manufacturer.	Meet the requirement.



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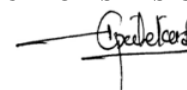
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4	Sizes	IS 17514:2021 (Clause 6.0)	Size of reusable sanitary pad /sanitary napkin / period panties shall be as agreed to between the buyer and the Seller. Sizes of reusable sanitary pad /sanitary napkin / period panties may be variable depending on the absorbent capacity or as per buyer requirement. The recommended sizes are as classified as follow Pad length(mm): (Absorbent core only) Regular: 200 ± 20 Large: 240 ± 20 Extra Large: 280 ± 20 Pad Width(mm): Min 70±5 (Absorbent core only)	Pad Length (mm): Regular: 192 mm Large: 242 mm Extra Large: 301 mm Pad Width (mm): Regular: 71 Large: 75 mm Extra Large: 80 mm Size: Small Pad: Regular Medium Pad: Large Long Pad: Extra Large
5	Odour Test	IHM	The sanitary pad shall not contain any odour, either when dry or wet with clean water	No Odour in dry or wet with clean water
6	Thickness	IHM	6 ± 2 mm	Large Sample: 4.6 mm
7	Ability to with stand Pressure after Absorption	IS 5405: 2019 (Clause 7.2) Further Ref Annex B)	Shall not show leakage at the at the bottom or on side of the sanitary napkin	Large Sample: No Leakage at the bottom or side of the pad.
8	Durability	KS ISO 6330	Each pad shall be of a durable construction designed to ergonomically and repeated use of a minimum of nine times of wearing and washing, i.e., three menstrual cycles.	Meet the requirement
9	Protective Barrier	IHM	Reusable pads shall have a protective barrier that delays or prevents potential leakage from the absorbent layer of the pad into the underwear	Protective barrier prevents
10	pH value	IS 17514:2021 (Clause 9.1) Further ref. IS 1390 :2019)	The pH value reusable sanitary pad /sanitary napkin / period panties (top and absorbent core) shall be from 5.5 to 8.0	Extracting solution pH: 6.5 kcl Temp. of extracting Solution: 23.1 °C pH of material: 7.1
11	Drying Time	IHM	Pads Drying Outdoor on Cloudy Day – 6 h Pads Drying Indoor on Cloudy Day – 12 h Max	Pads Drying Outdoor on Cloudy Day – 4 h Pads Drying Indoor on Cloudy Day – 6 h


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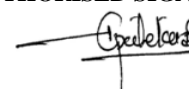
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12	General Requirements: Clause 4.2.1 (The raw material/ fabric used for manufacturing the product shall meet the following requirement (initially and after declared cycle washes))						
i.	Colour fastness to Rubbing	IS/ISO 105 -X12 :2016	Dry: 4 or better Wet: 3 or better	Overall Dry: 4 – 5 Wet: 4 – 5			
ii.	Colour fastness to perspiration (Acidic & Alkaline)	IS/ISO 105 E04 :2016	Colour change: 4 or better Staining: 4 or better	Acidic & Alkaline: 4 – 5 Staining MIF: 4 – 5			
iii.	Colour fastness to Washing	IS/ISO 105-C06:2006	Colour change: 4 or better Staining: 4 or better	Colour Change	Self Staining	Staining on Acetate	Staining on Cotton
				4	4 – 5	4 – 5	4 – 5
				Staining on Nylon	Staining on Polyester	Staining on Acrylic	Staining on Wool
4	4 – 5	4 – 5	4 – 5				
iv.	Dimensional Stability to washing, percentage, max	IS 16394:2015 Clause Annex C	Length: ± 5 Width: ± 5	Small: Length: 0.6% Width: 0.5%			
13	Marking & Packing: (clause 9.0 & 10.0)						
1	Packing	IS 5405: 2019 (Clause 10)	Sanitary napkins shall be packed in rigid or flexible packages that protect the product from contaminants during shipments and storage. This package could be constructed of material such as carton board. Polyethylene, Polypropylene, Polyester, or other safe material that provide sufficient protection to the products. The package should be free of any torn or a) Damaged areas.	--			

*Multi fiber staining: Acetate/ Cotton/ Nylon/ Polyester/ Acrylic/ Wool



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2	Marking	IS 17514:2021 (Clause 12.1)	<p>Each package of reusable sanitary pad /sanitary napkin / period panties shall be legibly and indelibly marked with the instruction:- .</p> <ol style="list-style-type: none"> 1) Manufacturers name or trade name: 2) Number if sanitary napkins contained in it, 3) Size designation: 4) Total absorption capacity b) Use and care instruction: c) Storage instruction: d) Batch/Lot no. and date of manufacturing, and e) Declared life cycle/wash cycle or best before (years): f) Country of origin: g) Additional features of antibacterial (if required): & h) Any other information required by law in force or agreed between the buyer and the seller i) Size class & pad length for reusable sanitary pad/sanitary napkin or length for period panty <p>The manufacturer shall provide the instruction to users for safe disposal of the product as per solid waste management rule , 2016 or any other rules and regulation published from time to time</p>	Not Provided



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14	Hygiene testing Requirement			
A	Bacterial Bio – burden	IS 17514:2021 Clause 9.3.1	Total viable count (total number of bacteria and fungi) shall not more than 1000 cfu/gm	< 10 cfu/gm
B	Fungal Bio – burden	IS 17514:2021 Clause 9.3.1	Total viable count (total number of bacteria and fungi) shall not more than 1000 cfu/gm	< 10 cfu/gm
C	Test for Common skin Pathogen-Staphylococcus Aureus	IS 17514: 2021 Clause 9.3.2	Staphylococcus aureus shall be absent	Absent/gm
D	Test for Common skin Pathogen-Enterobacteriaceae	ISO 18415 : 2017	Enterobacteriaceae aureus shall be absent	Absent/gm
E	Test for Common skin Pathogen-Pseudomonas aeruginosa	IS 14648: 2011	Pseudomonas aeruginosa shall be absent	Absent/gm



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