Test Report

Report No.: 212540-1

DANISH TECHNOLOGICAL INSTITUTE

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Chf/leln
Order no.: 212540
No. of appendices: 1

Assignor: Bysilius ApS
HC Andersens Vej 211
9800 Hjørring

Subject:

Model:	**Bysilius Baby Heavy Duvet**				
Type:	Heavy duvet				
Depth:	300 mm	Width:	200 mm	Height:	100 mm
Weight:	2.2 kg				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 04.09.2023

Method: See Appendix 1.

Period: The testing was completed 22.09.2023

Result: Individual results appear from Appendix 1.

Storage: The test material will be destroyed after 6 months, unless otherwise agreed.

Terms: This test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item(s) or to the sub-sample(s) selected for analysis. This analysis report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Date/place: 25.09.2023, Danish Technological Institute, Environmental Technology, Textile, Taastrup

Signature:

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Test responsible

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ilac-MRA DANAK TEST Reg.no. 2

Test Methods	Results
Determination of water-vapour resistance under steady-state conditions. (Sweating Guarded-Hotplate test) ISO 11092:2014 Testplate temperature: 35 °C Temperature in the test room: 35 °C Relative humidity in the test room: 40 % Three samples were tested.	**Water-Vapor resistance, Ret (Pa.m²/W)**: Individual measurements: 33.754 Pa.m²/W 31.570 Pa.m²/W 33.000 Pa.m²/W Average: 32.775 Pa.m²/W
Determination of Thermal resistance under steady-state conditions. (Sweating Guarded-Hotplate test) ISO 11092:2014 Testplate temperature: 35 °C Temperature in the test room: 20 °C Relative humidity in the test room: 65 % Three samples were tested.	**Thermal resistance, Rct (degC.m²/W)**: Individual measurements: 0.1171 degC.m²/W 0.1283 degC.m²/W 0.1254 degC.m²/W Average: 0.1236 degC.m²/W
***Determination of the strength of slide(zip) fastener** DS/EN ISO 13936-2:2004 EN 16890:2017, 8.3.2.2.4 Load: 60 N Test conditions: 21°C, 65%RH	Not tested * Not covered by the accreditation reg. no. 2
***Determination seam break for other materials** EN 16890:2017, 8.3.2.2.2 Performed on: Ready made seam Test conditions: 21°C, 65%RH	Average of 5 determinations >70N * Not covered by the accreditation reg. no. 2
***Safety of children's clothing – Security of attachment of buttons** EN 17394-2:2020 After washing Gauge length: 20 mm Rate of elongation: 100 mm/min Test conditions: 21°C, 65%RH Test conditions: 21°C, 65%RH	Not tested * Not covered by the accreditation reg. no. 2

Test Methods	Results
***Safety of children's clothing – Security of attachment of components metal mechanically applied press fasteners** CEN/TS 17394-3:2021 Before washing Gauge length: 20 mm Rate of elongation: 100 mm/min Test conditions: 21°C, 65%RH Test conditions: 21°C, 65%RH	Not tested * Not covered by the accreditation reg. no. 2
***Safety of children's clothing – Security of attachment of components except buttons and metal mechanically applied press fasteners** CEN/TS 17394-4:2021 Pre-treatment: 5 x washing, 5 x drying ISO 6330:2021, procedure: 6N (60°C, Normal), A (Line drying) Machine: Type 1, front loading Detergent: ECE 2 without bleach Ballast: 2 kg (type 1, 100% cotton) Gauge length: 20 mm Rate of elongation: 100 mm/min Test conditions: 21°C, 65%RH Test conditions: 21°C, 65%RH	No change * Not covered by the accreditation reg. no. 2

EN 16779-1:2018*

Test		Result
4.2	**Mechanical and physical hazards**	
4.2.1	**Entrapment of fingers and toes, ischemia**	Passed
4.2.1.1	**Requirements**	Passed
	When tested in accordance with 4.2.1.2: • There shall be no openings in any textile materials including loop, mesh, knitted fabric and lace that allow the conical probe for mesh to penetrate to the 7 mm diameter section • There shall be no completely bounded openings in rigid materials between 5 mm and 12 mm, unless the depth is less than 10 mm	Passed
4.2.2	**Small parts aspiration or ingestion, internal asphyxiation (choking)**	Passed
4.2.2.1	**Requirements**	Passed
	Cot duvet shall not contain attached components: • Which can be detached under a force less than 70 N when tested according to 4.2.2.2.1 or • Which can be detached after 5 cycles of washing and tumble drying when tested according to the fabric surface. Then the component attachment can be confirmed by carrying out visual and tactile inspection	Passed
4.2.3	**Cutting, puncture, abrasion**	Passed
4.2.3.1	**Requirements**	Passed
	The component parts used on children's cot duvets shall not have any sharp edges, sharp points or burrs.	Passed

*Not covered by accreditation reg. no. 2