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Client no.	Contact person	Our ref.	Date
——	C.Doege	CD	03. February 2017

Report No. 16.2.20.13414/I

Client: See address

Test sample: 2 pairs of anti-embolism stockings with adhesive welt, article "mediven thrombexin 18", AG, size M

Aim of test: Examination into compressive properties following RAL-GZ 387/1:2008-01[A], section 3.6.2 to 3.6.5

Date of order: 19.12.2016

Receipt of order: 20.12.2016

Receipt of test samples: 20.12.2016

Period of testing: 20.01.2017

Preliminary results: 25.01.2017

Sampling: The test sample has been delivered to us by the client.

The Report comprises 3 pages and a set of tables of 2 pages.

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METHODS

COMPRESSION TEST

■ Pre-Treatment

The samples are washed once in accordance with DIN EN ISO 6330/4G:2013-02 and dried flat at room temperature (procedure C of this standard). Then the samples are laid out for 24 hours in normal conditions in accordance with DIN EN ISO 139:2011-10, Section 3.1.

■ Elongation, Pressure and Residual Pressure

Number of tested samples : 2
The test is carried out at (20±2)°C and (65±5)% relative humidity, using the Compression Measurement System Hohenstein (HOSY).
The 6th load curve is evaluated. The results are shown in table and diagram form. Each table also contains the specified length and circumference measurements.
Note:
For the test with HOSY, the joint between the knitted fabric and the top edge of the stocking is located at the nearest joint between two clamps.
In the tables, the values shown for the uppermost measuring point are those from the clamp which is holding only the knitted fabric. On the pressure profile sheet, this measuring point is shown at the height that was actually specified (end of the stocking).

SIZE INFORMATION

The following values for length and circumference were defined by the customer:
Measurements in cm
(L = lengths, C = circumferences)

	B	B_1	C	D	E	F	G
L	12	23	33	41	49	64	77
C	24	31,5	40	39	43,5	54,5	63

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RESULT

The article reaches a pressure value of 2,34 kPa resp. 17,5 mm Hg at measuring point B.

The residual pressure ratio is not higher at any measuring point than the one below.

The increase in residual pressure at the adhesive welt amounts to 12,9 percent points.

Remark:
The specifications concerning pressure and pressure characteristic in RAL-GZ 387/1:2008-01[A] apply to medical compression hosiery only. But nevertheless even with anti-embolism stockings it makes sense, if the residual pressure decreases continuously from the ankle to the edge respectively if the increase of the residual pressure at the edge is in a similar range (15 percent points).

Schloss Hohenstein, 03. February 2017

Chief Executive Officer

Dipl.-Ing. (FH) Florian Girmond

Hohenstein Laboratories · Schloss Hohenstein ·

Division medical compression textiles
Consumer Tests

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