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INTERFACE PRESSURE MAPPING

Direct Supply Manufacturing Company, Inc. Sarah Zeller 6635 N Industrial Rd Milwaukee, WI 53223 Tested By: Shane M. Lewis Certified by: Brent L. Larson

It is our policy to retain components and sample remnants for 2 business days from the report date, after which time they may be discarded. NOTE: all full scale flammability samples are discarded upon completion of the testing. The data herein represents only the item(s) tested. This certificate shall not be reproduced, except in full, without the written approval of the laboratory. Unless otherwise specified, measurement uncertainty was not taken into account when making statements of conformity to a specification.

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Sample ID: Panacea Convertible 9 Cell Mattress



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TEST RESULTS SUMMARY: Interface Pressures, mmHg

Shoulder Region (back)	Subject	(1)	(2)	(3)	ALL
	Max	33	30	24	33
	Avg	19.1	20.5	21.7	20.4
	St.Dev.	4.1	2.9	0.8	3.1
Tail Bone Region (back)	Мах	23	37	26	37
	Avg	21.7	31.1	24.9	25.9
	St.Dev.	1.0	3.0	0.8	4.3
Heel (back)	Мах	50	58	40	58
	Avg	23.8	23.3	16.8	20.8
	St.Dev.	15.0	16.1	11.2	14.1
Hip Region (side)	Max	44	43	51	51
	Avg	35.1	34.9	40.3	36.8
	St.Dev.	4.8	5.7	6.9	6.3
	Subject	Sex	Height	Weight (Ibs) 135 Ibs 160 Ibs 210 Ibs	
	1	F	5' 0"		
	2	м	5' 7"		
	3	м	6' 0"		
	-				

Testing was conducted June 28 / July 1, 2024.

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TEST PROCEDURE:

An Xsensor pressure mapping system was employed for conducting this evaluation. The sample was placed onto a sturdy laboratory surface. Three subjects were used for the analysis and selected according to specific weight and height ranges. The subjects were dressed in an appropriate size cotton sweat suit with no shoes to ensure optimum contact with the full surface sensor matrix. Two positions were employed: back lying and ninety degree side lying. A 5 minute acclimation period was employed prior to obtaining the measurement. Color pressure maps are included at the end of this report.

A 4" by 5" area representing 63 individual sensors was used to isolate and average the pressure points. The maximum values were obtained from each individual pressure point. As a result, out of a possible 63 pressure readings the maximum values were determined by the highest pressure reading per body location.

It is the policy of Element Materials Technology to use recognized test procedures whenever possible, such as ASTM, ANSI, ISO etc. To Element's knowledge, no standard procedure exists for interface pressure testing at the present time. The test method employed for this analysis is based on sound laboratory practice. The equipment used for the evaluation was calibrated and used in accordance with the manufacturer's specifications.

REMARKS:

The tested sample will be retained for 2 business days from the date of this report and then discarded unless we received written authorization requesting otherwise. Return shipping, if requested, will be paid by the customer.

The test results contained in this report pertain only to the samples submitted for testing and not necessarily to all similar products.

Tested by:

Shan M. Lewis

Shane M. Lewis Engineering Technician Sleep System Evaluation

Certified by:

+ 2 Laron

Brent L. Larson Manager Sleep System Evaluation Phone: (651) 659 – 7218

Sample ID: Panacea Convertible 9 Cell Mattress

Size: ~80" x 35"

July 2, 2024



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