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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT91203185(S1)

Applicant: CORTINA N.V.
MEERSBLOEM-MELDEN 42,
9700 OUDENAARDE,BELGIUM

Date: Mar 12, 2024
THIS IS TO SUPERSEDE REPORT
NO. GZHT91203185 DATED JUL
25, 2023

Attn: REBECCA HU

Sample Description:

Two (2) groups of submitted sample said to be:

(A) Three (3) pairs of Men's safety ankle boots in Black

(B) Nine (9) pieces of non-metallic insoles

Standard : ASTM F2413-18
ASTM F3445-21

Size : US 9

Buyer's Name : CORTINA

Ref. No : VESUVIO WINTER S3S/SI320012A

Brand : SAFETY JOGGER

Manufacturer : CORTINA

Colour : BLACK

Vendor : --

Supplier : --

P.O. No. : --

Ref. : Sole: BASF PU+Rubber

Insert Plate: IN Antiperforation Wb Flex(non-metallic)

Toe Cap: SJ Steel Toecap 604

Upper: Black IN BUFFALO DIN WAXY S3

Vamp Lining: Grey polyester non-woven Fabric

Quarter Lining: Lack IN KNITTED SPACER 240GSM

Seat Region Lining: Black Cambrelle

Collar: Black IN BUFF LINING Leather

Tongue: Black IN BUFF LINING Leather+Black IN Woven Cordura 2346

Insole: IN Antiperforation Wb Flex(non-metallic)

Insock: Black polyester SJ BK Mesh+ SJFOAM (PU)

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch

Guiliang Dong
Senior Lab Manager



MI / kayyu

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
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检验检测专用章

SHENZHEN BRANCH

(6)



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Number: GZHT91203185(S1)

Country Of Origin : INDIA
Goods Exported To : EU/US
Date Received/Date Test Started : Jul. 11, 2023
Date Final Information Confirmed: --

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch

Guiliang Dong
Senior Lab Manager



MI / kayyu

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检验检测专用章

(6)



- 1 Protective Toe Impact Resistance (I) (ASTM F2412-18a, 5, Impact Force: 101.7 J (75 lbf), Testing Performed At 22°C And 50% RH)

	(A)	ASTM F2413-18 Requirement	Pass / Fail
	Interior Height Clearance		
Left:	20.0 mm	≥ 12.7 mm	Pass
Right:	20.0 mm	≥ 12.7 mm	Pass
Left:	19.3 mm	≥ 12.7 mm	Pass

- 2 Protective Toe Compression Resistance (C) (ASTM F2412-18a, 6, Compression Force: 11 121 N (2 500 lbf), Testing Performed At 22°C And 50% RH)

	(A)	ASTM F2413-18 Requirement	Pass/Fail
	Interior Height Clearance		
Left:	23.2 mm	≥ 12.7 mm	Pass
Right:	23.1 mm	≥ 12.7 mm	Pass
Right:	23.0 mm	≥ 12.7 mm	Pass

- 3 Static Dissipative Footwear (SD) (ASTM F2412-18a, 10, Conditioned At 22°C And 50% RH For 24 h And Testing Performed At The Same Conditions.)

	(A)	ASTM F2413-18 Requirement	Pass/Fail
Sample 1	Left	$8.8 \times 10^6 \Omega$	*
	Right	$8.4 \times 10^6 \Omega$	*
	One Pair	$5.4 \times 10^6 \Omega$	*
Sample 2	Left	$8.4 \times 10^6 \Omega$	*
	Right	$9.1 \times 10^6 \Omega$	*
	One Pair	$5.6 \times 10^6 \Omega$	*
Sample 3	Left	$8.5 \times 10^6 \Omega$	*
	Right	$9.0 \times 10^6 \Omega$	*
	One Pair	$5.5 \times 10^6 \Omega$	*

Remark: * = SD 10 : $1 \times 10^6 \Omega \sim 1 \times 10^7 \Omega$



4 Puncture Resistance Footwear (PR) (ASTM F2412-18a, 11, Conditioned At 22°C And 50% RH For 24 h And Testing Performed At The Same Conditions.)

	(B)	ASTM F2413-18 Requirement	Pass/Fail
Left:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot After An Applied Force Of 1200 N.	*	Pass
Right:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot After An Applied Force Of 1200 N.	*	Pass
Left:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot After An Applied Force Of 1200 N.	*	Pass

Remark: * = The Test Pin Does Not Visually Penetrate Beyond The Face Of The Material Nearest The Foot After An Applied Force Of 1200 N.

5 Flex Resistance For Puncture Resistant Devices (ASTM F2412-18a, 11.7 & CSA Z195-14, 6.3.2)

	(B)	ASTM F2413-18 Requirement	Pass/Fail
Left:	No Signs Of De-lamination Of Layers After 1.5 x 10 ⁶ Flexes.	*	Pass
Right:	No Signs Of De-lamination Of Layers After 1.5 x 10 ⁶ Flexes.	*	Pass
Left:	No Signs Of De-lamination Of Layers After 1.5 x 10 ⁶ Flexes.	*	Pass

Remark: * = No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10⁶ Flexes.

6 Slip Resistance (ASTM F2913-19)

Conditioning Test Specimen		Test Condition	
Temperature	(23±2) °C	Atmosphere	(23±2) °C, (50±5)% RH
Relative Humidity	(50±5)% RH	Test Surface	Flat Unglazed Clay Quarry Tile
Period	At Least 3 Hours	Vertical Force	500 N

(A)

Size	Sequence	Conditions	Modes	Results (COF)	ASTM F3445-21 Requirement	Pass/Fail
9 (Left)	Dry Then Wet	Dry	Forward Heel Slip	0.79	Min. 0.40	Pass
			Backward Forepart Slip	0.69	Min. 0.40	Pass
		Wet	Forward Heel Slip	0.60	Min. 0.40	Pass
			Backward Forepart Slip	0.59	Min. 0.40	Pass
9 (Right)	Wet Then Dry	Wet	Forward Heel Slip	0.59	Min. 0.40	Pass
			Backward Forepart Slip	0.57	Min. 0.40	Pass
		Dry	Forward Heel Slip	0.76	Min. 0.40	Pass
			Backward Forepart Slip	0.67	Min. 0.40	Pass
9 (Left)	Dry Then Wet	Dry	Forward Heel Slip	0.73	Min. 0.40	Pass
			Backward Forepart Slip	0.67	Min. 0.40	Pass
		Wet	Forward Heel Slip	0.59	Min. 0.40	Pass
			Backward Forepart Slip	0.55	Min. 0.40	Pass

Note: It Must Be Noted That The Slip Resistance Test Carried Out In This Report Denotes An Indication Of Slip Of This Particular Footwear/Component On The Surface Mentioned In The Test Item. It Is Important To Note That Footwear Is Subjected To Many Different Conditions Encountered In Everyday Use And That It Is Impossible To Make Footwear Resistant To Slip In All Conditions. Nevertheless, It Is Generally Accepted That Problems Are Minimized If The Guideline Coefficients Of Friction Are Achieved.



End Of Report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. No copy of the test report(except for full text copy) shall be made without the written approval by Intertek.

Remark:

1. As Requested by the Applicant, For Details Refer to Attached Page (S).
2. All the tested item are tested under the standard condition.
3. The report is valid with commission test only for the test samples in the case of delivering samples by clients.



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To : CORTINA N.V.
Attention : REBECCA HU

Date : Mar 12, 2024

Re : Report Revision Notification

Labtest Report Number GZHT91203185 date JUL 25, 2023

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Labtest Report, Number GZHT91203185(S1) , issued on Mar 12, 2024 .

Thank you for your attention

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch

Guiliang Dong
Senior Lab Manager

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