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TEST REPORT



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检测
TESTING
CNAS L0220

Number: GZHT91280523

Date: Aug 22, 2024

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

Attn: REBECCA/JENNY

Sample Description:

Three (3) pairs of submitted samples said to be Injection lace up safety shoes in Black.

Standard : ASTM F2413-24
 Size : Men US 9
 Buyer's Name : CORTINA
 Brand : SAFETY JOGGER
 Manufacturer : CORTINA
 Colour : Black
 Style No. / Name : MODULO LE S3S LOW TG (MDLOLEAS3L)/MODULO LE S3S MID TG (MDLOLEAS3M)
 Sole : BASF PU+ Rubber
 Insert Plate : SJ FLEX composite insert
 Toe Cap : SJ Non-metallic Toecap N604
 Upper : Black Bull Milled Leather
 Vamp Lining : Grey Non-woven
 Quarter Lining : Black Nalo Polyester Mesh
 Seat Region Lining : Black Suede Microfiber
 Insole : SJ FLEX composite insert
 Collar : Black Nalo Polyester Mesh
 Tongue : Black Nalo Polyester Mesh+ Black 3 Anti Single Polyester Mesh
 Insock : Dark Grey Polyester Mesh+ SJFOAM2 Industrial (PU)
 Ref. : Safety Low shoes and Ankle Boots in Black
 Country Of Origin : --
 Goods Exported To : EU/US
 Date Received/Date Test Started : Aug. 15, 2024
 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
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MI / jackiezheng

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- 1 Protective Toe Impact Resistance (I) (ASTM F2412-24, 5, Impact Energy: 101.7 J (75 ft-lb), Testing Performed At 22 °C And 50 % RH)

	Interior Height Clearance	ASTM F2413-24 Requirement	Pass/Fail
Left:	15.8 mm	≥ 12.7 mm	Pass
Right:	16.3 mm	≥ 12.7 mm	Pass
Left:	18.6 mm	≥ 12.7 mm	Pass

- 2 Protective Toe Compression Resistance (C) (ASTM F2412-24, 6, Compressive Force: 11 121 N (2 500 lbf), Testing Performed At 22 °C And 50 % RH)

	Interior Height Clearance	ASTM F2413-24 Requirement	Pass/Fail
Left:	24.1 mm	≥ 12.7 mm	Pass
Right:	23.6 mm	≥ 12.7 mm	Pass
Right:	24.1 mm	≥ 12.7 mm	Pass

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

		Resistance (Ω)	ASTM F2413-24 Requirement	Pass/Fail
Sample 1	Left	2.1×10^7	*	Pass
	Right	1.9×10^7	*	Pass
	One Pair	1.0×10^7	*	Pass
Sample 2	Left	1.9×10^7	*	Pass
	Right	2.0×10^7	*	Pass
	One Pair	1.0×10^7	*	Pass
Sample 3	Left	2.1×10^7	*	Pass
	Right	1.9×10^7	*	Pass
	One Pair	1.1×10^7	*	Pass

Remark: * = SD 35: $1 \times 10^6 \Omega \sim 3.5 \times 10^7 \Omega$

4 Slip Resistant Footwear (SRO) (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

Size	Sequence	Conditions	Modes	Results (COF)	ASTM F2413-24 Requirement	Pass/Fail
9 (Left)	Dry Then Wet	Dry	Forward Heel Slip	0.73	Min. 0.40	Pass
			Backward Forepart Slip	0.75	Min. 0.40	Pass
		Wet	Forward Heel Slip	0.56	Min. 0.40	Pass
			Backward Forepart Slip	0.57	Min. 0.40	Pass
9 (Right)	Wet Then Dry	Wet	Forward Heel Slip	0.50	Min. 0.40	Pass
			Backward Forepart Slip	0.60	Min. 0.40	Pass
		Dry	Forward Heel Slip	0.73	Min. 0.40	Pass
			Backward Forepart Slip	0.75	Min. 0.40	Pass
9 (Right)	Dry Then Wet	Dry	Forward Heel Slip	0.74	Min. 0.40	Pass
			Backward Forepart Slip	0.76	Min. 0.40	Pass
		Wet	Forward Heel Slip	0.53	Min. 0.40	Pass
			Backward Forepart Slip	0.58	Min. 0.40	Pass
9 (Left)	Oily Wet (#)		Forward Heel Slip	0.38	Min. 0.33	Pass
			Backward Forepart Slip	0.40	Min. 0.33	Pass
9 (Right)			Forward Heel Slip	0.37	Min. 0.33	Pass
			Backward Forepart Slip	0.40	Min. 0.33	Pass
9 (Right)			Forward Heel Slip	0.38	Min. 0.33	Pass
			Backward Forepart Slip	0.40	Min. 0.33	Pass

Remark: # = 0.2±0.02 g (Approximately 8 Drops) Of Corn Oil With Distilled Water

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

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Remark:

1. As Requested by the Applicant, For Details Refer to Attached Page (5).
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.