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TEST REPORT



中国认可  
国际互认  
检测  
TESTING  
CNAS L0220

Number: GZHT91280541

Date: Aug 26, 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 Cemented lace up safety shoes in Black.

- Standard : ASTM F2413-24
- Size : Men US 9
- Buyer's Name : CORTINA
- Ref. No : ELGON EH LOW (SI110103A)
- Brand : SAFETY JOGGER
- Manufacturer : CORTINA
- Colour : Black
- Sole : Phylon+ Rubber
- Insert Plate : SJ FLEX Composite Insert (EH)
- Toe Cap : Composite toecap 1701G
- Upper : Black SJ Microfiber ( Polyurethane)
- Vamp Lining : Black Tricot
- Quarter Lining : Light Grey SJ BK Mesh
- Seat Region Lining : Light Grey SJ BK Mesh
- Insole : SJ FLEX Composite Insert (EH)
- Collar : Black Taikon PU
- Tongue : Black Taikon PU
- Insock : Dark Grey Polyester Mesh+ SJFOAM2 Memory IND
- Ref. : Safety Low shoes 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](mailto:gzfootwear@intertek.com)

Authorized By:  
For Intertek Testing Services Shenzhen Ltd.  
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wx / jackiezheng

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

	Interior Height Clearance	ASTM F2413-24 Requirement	Pass / Fail
Left:	17.3 mm	≥ 12.7 mm	Pass
Right:	18.6 mm	≥ 12.7 mm	Pass
Left:	17.5 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:	24.7 mm	≥ 12.7 mm	Pass
Right:	25.9 mm	≥ 12.7 mm	Pass
Right:	25.0 mm	≥ 12.7 mm	Pass

- 3 Electric Hazard Resistant Footwear (EH) (ASTM F2412-24, 9, Conditioned At 22 °C And 50 % RH For 24 h And Testing Performed At The Same Conditions)

		ASTM F2413-24 Requirement	Pass/Fail
Left:	Leakage Current: 0.1 mA	*	Pass
Right:	Leakage Current: 0.1 mA	*	Pass
Right:	Leakage Current: 0.1 mA	*	Pass

Remark: \* = No Current Flow Or Leakage Current In Excess of 1.0 mA Under The Application Of 18 000 V At 60 Hz AC For 1 Minute.

4 Slip Resistant Footwear (SRO) (ASTM F2913-24)

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	0.82	Min. 0.40	Pass
			Backward Forepart Slip	0.87	Min. 0.40	Pass
		Wet	Forward Heel Slip	0.61	Min. 0.40	Pass
			Backward Forepart Slip	0.68	Min. 0.40	Pass
9 (Right)	Wet Then Dry	Wet	Forward Heel Slip	0.62	Min. 0.40	Pass
			Backward Forepart Slip	0.69	Min. 0.40	Pass
		Dry	Forward Heel Slip	0.84	Min. 0.40	Pass
			Backward Forepart Slip	0.90	Min. 0.40	Pass
9 (Right)	Dry Then Wet	Dry	Forward Heel Slip	0.83	Min. 0.40	Pass
			Backward Forepart Slip	0.89	Min. 0.40	Pass
		Wet	Forward Heel Slip	0.61	Min. 0.40	Pass
			Backward Forepart Slip	0.68	Min. 0.40	Pass
9 (Left)	Oily Wet (#)		Forward Heel Slip	0.40	Min. 0.33	Pass
			Backward Forepart Slip	0.41	Min. 0.33	Pass
9 (Right)			Forward Heel Slip	0.40	Min. 0.33	Pass
			Backward Forepart Slip	0.42	Min. 0.33	Pass
9 (Right)			Forward Heel Slip	0.39	Min. 0.33	Pass
			Backward Forepart Slip	0.41	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 (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.