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TEST REPORT



中国认可  
国际互认  
检测  
TESTING  
CNAS L0220

Number: GZHT90847437

Date: Nov 29, 2018

Applicant: CORTINA N.V.  
MEERSBLOEM-MELDEN 42,  
9700 OUDENAARDE,BELGIUM  
Attn: PETER DE MEZURE

Sample Description:

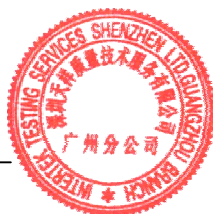
Two (2) groups of submitted samples said to be:  
(A) Three (3) pairs of Men's Cemented lace up safety high boots in Black  
(B) Three (3) pairs of Non-metallic insoles.

Standard : ASTM F2413-18  
Size : US 9  
Buyer's Name : Cortina NV  
Ref. No : SHARK  
Brand : Safety Jogger  
Manufacturer : Cortina NV  
Colour : --  
Vendor : --  
Supplier : --  
P.O. No. : --  
Ref. : Men Casual Safety High with M2528 PHYLON/RUBBER sole (SJ FLEX/COMP)  
Country Of Origin : --  
Goods Exported To : --  
Date Received/Date Test Started: Nov. 22, 2018  
Date Final Information Confirmed: Nov. 26, 2018

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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/ nicoleho

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- 1 Protective Toe Impact Resistance (I) (ASTM F2412-18a, 5, Impact Force: 101.7 J (75 lbf), Testing Performed At 22°C (±2 °C) And 50 % RH (± 5 %))

	(A)	ASTM F2413-18 Requirement	Pass / Fail
	Interior Height Clearance		
Left:	13.2 mm	≥ 12.7 mm	Pass
Left:	14.2 mm	≥ 12.7 mm	Pass
Right:	13.4 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 (±2 °C) And 50 % RH (± 5 %))

	(A)	ASTM F2413-18 Requirement	Pass/Fail
	Interior Height Clearance		
Left:	22.4 mm	≥ 12.7 mm	Pass
Right:	21.5 mm	≥ 12.7 mm	Pass
Right:	23.1 mm	≥ 12.7 mm	Pass

- 3 Static Dissipative Footwear (SD) (ASTM F2412-18a, 10, Conditioned At 22°C (±2°C) And 50 % RH (± 5 %) For 24 h And Testing Performed At The Same Conditions.)

	(A)	ASTM F2413-18 Requirement	Pass/Fail
Sample 1	Left	$1.7 \times 10^7 \Omega$	Pass
	Right	$1.9 \times 10^7 \Omega$	Pass
	One Pair	$1.1 \times 10^7 \Omega$	Pass
Sample 2	Left	$1.9 \times 10^7 \Omega$	Pass
	Right	$2.5 \times 10^7 \Omega$	Pass
	One Pair	$1.5 \times 10^7 \Omega$	Pass
Sample 3	Left	$2.3 \times 10^7 \Omega$	Pass
	Right	$3.3 \times 10^7 \Omega$	Pass
	One Pair	$1.9 \times 10^7 \Omega$	Pass

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



4 Puncture Resistance Footwear (PR) (ASTM F2412-18a, 11, Conditioned At 22°C (±2°C) And 50 % RH (± 5 %) For 24 h And Testing Performed At The Same Conditions.)

	(B)	<u>ASTM F2413-18 Requirement</u>	<u>Pass/Fail</u>
Left:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1 200 N.	Min. 1 200 N (*)	Pass
Right:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1 200 N.	Min. 1 200 N (*)	Pass
Right:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1 200 N.	Min. 1 200 N (*)	Pass

Remark: \* = The Test Pin Does Not Visually Penetrate Beyond The Face Of The Material Nearest The Foot.

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

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

Remark: \* = No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10<sup>6</sup> Flexes.



End Of Report

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