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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT90881823

Date: Apr 29, 2019

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

Attn: ROCK/REBECCA

Sample Description:

Two (2) groups of submitted samples said to be:
(A) Three (3) pairs of Men's Injection lace up safety ankle boots in Black
(B) Four and a half (4.5) pairs of Steel plates.

Standard : ASTM F2413-18
Size : US 9
Buyer's Name : --
Ref. No : WORKER
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Colour : --
Vendor : --
Supplier : --
P.O. No. : --
Ref. : MEN CASUAL SAFETY HIGH with outsole Mould M1640 PU+PU
Country Of Origin : China
Goods Exported To : Belgium/U.S.A.
Date Received/Date Test Started: Apr. 19, 2019
Date Final Information Confirmed: Apr. 24, 2019

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:
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Guangzhou Branch



Guiliang Dong
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MI / 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 And 50 % RH)

	(A)	ASTM F2413-18 Requirement	Pass / Fail
	Interior Height Clearance		
Left:	18.3 mm	≥ 12.7 mm	Pass
Right:	16.3 mm	≥ 12.7 mm	Pass
Left:	17.1 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:	18.9 mm	≥ 12.7 mm	Pass
Right:	19.9 mm	≥ 12.7 mm	Pass
Right:	21.4 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	$2.8 \times 10^6 \Omega$	*
	Right	$2.8 \times 10^6 \Omega$	*
	One Pair	$1.7 \times 10^6 \Omega$	*
Sample 2	Left	$2.2 \times 10^6 \Omega$	*
	Right	$3.0 \times 10^6 \Omega$	*
	One Pair	$1.7 \times 10^6 \Omega$	*
Sample 3	Left	$2.5 \times 10^6 \Omega$	*
	Right	$4.0 \times 10^6 \Omega$	*
	One Pair	$2.1 \times 10^6 \Omega$	*

Remark: * = SD 100 : $1 \times 10^6 \Omega \sim 1 \times 10^8 \Omega$



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)	<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
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

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

5 Corrosion Resistance For Puncture Resistant Plates (ASTM F2412-18a, 11.8 & ASTM B117, 5% NaCl Solution For 24 Hours)

	(B)	<u>ASTM F2413-18 Requirement</u>	<u>Pass/Fail</u>
Left	No Sign Of Corrosion.	*	Pass
Right	No Sign Of Corrosion.	*	Pass
Left	No Sign Of Corrosion.	*	Pass

Remark: * = No Sign Of Corrosion, De-lamination, Or Deterioration.

6 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 Cracking After 1.5 x 10 ⁶ Flexes.	*	Pass
Right:	No Signs Of Cracking After 1.5 x 10 ⁶ Flexes.	*	Pass
Left:	No Signs Of Cracking After 1.5 x 10 ⁶ Flexes.	*	Pass

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



End Of Report

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