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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT90881818

Date: Apr 26, 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 pull on safety boots in Brown

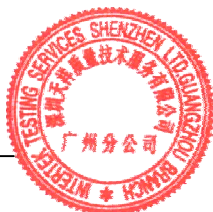
(B) Three (3) pairs of Non-metallic anti-penetration inserts.

Standard : ASTM F2413-18
Size : US 9
Buyer's Name : --
Ref. No : BOREAS2
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Colour : --
Vendor : --
Supplier : --
P.O. No. : --
Ref. : Men Casual High Safety with outsole Mould M1350 PU+Rubber
Country Of Origin : China
Goods Exported To : Belgium/U.S.A.
Date Received/Date Test Started: Apr. 19, 2019
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 / nicoleho

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

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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)	<u>ASTM F2413-18 Requirement</u>	<u>Pass / Fail</u>
	Interior Height Clearance		
Left:	20.9 mm	*	Pass
Right:	21.1 mm	*	Pass
Left:	22.2 mm	*	Pass

Remark: * = ≥ 12.7 mm

- 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)	<u>ASTM F2413-18 Requirement</u>	<u>Pass/Fail</u>
	Interior Height Clearance		
Left:	23.4 mm	*	Pass
Right:	23.3 mm	*	Pass
Right:	24.2 mm	*	Pass

Remark: * = ≥ 12.7 mm

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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)		<u>ASTM F2413-18 Requirement</u>	<u>Pass/Fail</u>
Sample 1	Left	$7.3 \times 10^6 \Omega$	*	Pass
	Right	$1.6 \times 10^7 \Omega$	*	Pass
	One Pair	$5.9 \times 10^6 \Omega$	*	Pass
Sample 2	Left	$8.3 \times 10^6 \Omega$	*	Pass
	Right	$1.6 \times 10^7 \Omega$	*	Pass
	One Pair	$6.0 \times 10^6 \Omega$	*	Pass
Sample 3	Left	$7.8 \times 10^6 \Omega$	*	Pass
	Right	$1.7 \times 10^7 \Omega$	*	Pass
	One Pair	$6.8 \times 10^6 \Omega$	*	Pass

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
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.



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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 1.5×10^6 Flexes.	*	Pass
Right:	No Signs Of De-lamination Of Layers Or Cracking After 1.5×10^6 Flexes.	*	Pass
Left:	No Signs Of De-lamination Of Layers Or Cracking After 1.5×10^6 Flexes.	*	Pass

Remark: * = No Signs Of De-lamination Of Layers Or Cracking After 1.5×10^6 Flexes.

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End Of Report

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