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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT90882840

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 high boots in Black
(B) Three (3) pairs of Non-metallic anti-penetration inserts.

Standard : ASTM F2413-18
Size : US 9
Buyer's Name : --
Ref. No : NORDIC
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Colour : --
Vendor : --
Supplier : --
P.O. No. : --
Ref. : Men Casual High Safety with outsole Mould M1543 PU+TPU
Country Of Origin : China
Goods Exported To : Belgium/U.S.A.
Date Received/Date Test Started: Apr 24, 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



/ nicoleho

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

深圳天祥质量技术服务有限公司广州分公司

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Tests Conducted (As Requested By The Applicant)



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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:	20.7 mm	*	Pass
Right:	21.7 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:	24.0 mm	*	Pass
Right:	24.9 mm	*	Pass
Right:	24.7 mm	*	Pass

Remark: * = ≥ 12.7 mm

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

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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	$1.6 \times 10^7 \Omega$	*	Pass
	Right	$1.4 \times 10^7 \Omega$	*	Pass
	One Pair	$9.4 \times 10^6 \Omega$	*	Pass
Sample 2	Left	$1.3 \times 10^7 \Omega$	*	Pass
	Right	$1.6 \times 10^7 \Omega$	*	Pass
	One Pair	$9.7 \times 10^6 \Omega$	*	Pass
Sample 3	Left	$1.7 \times 10^7 \Omega$	*	Pass
	Right	$1.6 \times 10^7 \Omega$	*	Pass
	One Pair	$1.2 \times 10^7 \Omega$	*	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 1200 N.	Min. 1200 N (*)	Pass
Right:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1200 N.	Min. 1200 N (*)	Pass
Left:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1200 N.	Min. 1200 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 1.5×10^6 Flexes.	*	Pass
Right:	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

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



End Of Report

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