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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT90866865

Date: Feb 21, 2019

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

Attn: PETER DE MEZURE

Sample Description:

Three (3) groups of submitted samples said to be:

(A) Three (3) pairs of X2000 Men's Injection lace up safety ankle boots in Black/Brown/Navy

(B) One (1) pair of X2020P Men's Injection lace up low cut safety shoes in Black/Brown/Navy

(C) Nine (9) pairs of Steel plates.

Standard	: ASTM F2413-18
Size	: US 9
Buyer's Name	: CORTINA N.V.
Ref. No	: X2000, X2020P
Brand	: SAFETYJOGGER
Manufacturer	: CORTINA N.V.
Colour	: Black/Brown/Navy
Vendor	: --
Supplier	: --
P.O. No.	: --
Ref.	: Men Casual High/Low Safety with M1159 PU/PU sole
Country Of Origin	: --
Goods Exported To	: Belgium/U.S.A.
Date Received/Date Test Started:	Feb. 11, 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



ml / nicoleho

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

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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:	16.9 mm	*	Pass
Right:	16.2 mm	*	Pass
Left:	15.0 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:	14.3 mm	*	Pass
Right:	15.4 mm	*	Pass
Right:	17.1 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	$3.8 \times 10^6 \Omega$	*	Pass
	Right	$4.8 \times 10^6 \Omega$	*	Pass
	One Pair	$4.0 \times 10^6 \Omega$	*	Pass
Sample 2	Left	$8.0 \times 10^6 \Omega$	*	Pass
	Right	$4.1 \times 10^6 \Omega$	*	Pass
	One Pair	$3.9 \times 10^6 \Omega$	*	Pass
Sample 3	Left	$5.0 \times 10^6 \Omega$	*	Pass
	Right	$5.6 \times 10^6 \Omega$	*	Pass
	One Pair	$3.5 \times 10^6 \Omega$	*	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.)

	(C)	<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
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

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)

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

	(C)	<u>ASTM F2413-18 Requirement</u>	<u>Pass/Fail</u>
Left:	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
Right:	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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