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TEST REPORT



中国认可  
国际互认  
检测  
TESTING  
CNAS L0220

Number: GZHT91028630

Date: May 07, 2021

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

Attn: REBECCA HU

Sample Description:

- Five (5) groups of submitted samples said to be:
- (A) Three (3) pairs of Men's Injection lace up safety ankle boots in Brown
- (B) One (1) pair of Men's Injection lace up safety ankle boots in Camel
- (C) One (1) pair of Men's Injection lace up safety ankle boots in Sand
- (D) One (1) pair of Men's Injection lace up safety ankle boots in Black
- (E) Four and a half (4.5) pairs of Steel Plates.

Standard : ASTM F2413-18  
 Size : US 9 (EUR 42)  
 Buyer's Name : CORTINA NV  
 Ref. No : RUSH  
 Brand : SAFETY JOGGER  
 Manufacturer : CORTINA NV  
 Colour : Brown, Camel, Sand, Black  
 Vendor : --  
 Supplier : --  
 P.O. No. : --

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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Ref. : Men Casual Safety High With Lace Up  
Last: KJELL  
Mould: M1645 Mould  
Sole: PU+PU  
Insert Plate: Steel Plate  
Toe Cap: Steel Toecap  
Upper:  
(A) Brown SJ Crazy Horse Leather+Brown SJ SOMBO Nylon  
(B) Camel SJ Crazy Horse Leather+Camel SJ SOMBO Nylon  
(C) Sand SJ Crazy Horse Leather+Sand SJ SOMBO Nylon  
(D) Black SJ Crazy Horse Leather+Grey SJ SOMBO Nylon  
Vamp Lining: Black Non-Woven  
Quarter Lining:  
(A/D) Black SJ BK Mesh Nylon  
(B) Camel SJ BK Mesh Nylon  
(C) Sand SJ BK Mesh Nylon  
Collar Lining:  
(A) Brown Breathable MF  
(B/C) Sand Breathable MF  
(D) Black Breathable MF  
Insole: Non-Woven  
Collar & Tongue:  
(A) Brown Cloth+PU  
(B) Camel Cloth+PU  
(C) Sand Cloth+PU  
(D) Black Cloth+PU  
Insock: Black Polyester SJ BK Mesh+SJFOAM(PU)

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检测  
TESTING  
CNAS L0220

Number: GZHT91028630

Country Of Origin : China  
Goods Exported To : EU/U.S.A.  
Date Received/Date Test Started: Apr. 06, 2021/Apr. 30, 2021  
Date Final Information Confirmed: Apr. 30, 2021

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)

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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:	17.5 mm	≥ 12.7 mm	Pass
Right:	17.3 mm	≥ 12.7 mm	Pass
Left:	19.0 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:	24.9 mm	≥ 12.7 mm	Pass
Right:	23.9 mm	≥ 12.7 mm	Pass
Right:	23.5 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	$8.7 \times 10^6 \Omega$	*
	Right	$1.2 \times 10^7 \Omega$	*
	One Pair	$6.5 \times 10^6 \Omega$	*
Sample 2	Left	$1.5 \times 10^7 \Omega$	*
	Right	$1.8 \times 10^7 \Omega$	*
	One Pair	$1.1 \times 10^7 \Omega$	*
Sample 3	Left	$8.6 \times 10^6 \Omega$	*
	Right	$9.0 \times 10^6 \Omega$	*
	One Pair	$5.3 \times 10^6 \Omega$	*

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 And 50% RH For 24 h And Testing Performed At The Same Conditions.)

	(E)	ASTM F2413-18 Requirement	Pass/Fail
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 Corrosion Resistance For Puncture Resistant Plates (ASTM F2412-18a, 11.8 & ASTM B117, 5% NaCl Solution For 24 Hours)

	(E)	ASTM F2413-18 Requirement	Pass/Fail
Left:	No Sign Of Corrosion	*	Pass
Right:	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)

	(E)	ASTM F2413-18 Requirement	Pass/Fail
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
Left:	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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