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TEST REPORT



中国认可  
国际互认  
检测  
TESTING  
CNAS L0220

Number: GZHT90877436

Date: Apr 16, 2019

Applicant: CORTINA N.V.  
MEERSBLOEM-MELDEN 42,  
9700 OUDENAARDE,BELGIUM  
Attn: ROCK/REBECCA

Sample Description:

- Four (4) groups of submitted samples said to be:
- (A) Three (3) pairs of DAKAR Men's Injection lace up safety ankle boots in Black
- (B) Three (3) pairs of DESERT Men's Injection lace up safety ankle boots in Black
- (C) One (1) pair of SAHARA Men's Injection lace up low cut safety shoes in Black
- (D) Four and a half (4.5) pairs of Steel plates.

Standard : ASTM F2413-18  
 Size : US 9  
 Buyer's Name : --  
 Ref. No : DAKAR/SAHARA/DESERT  
 Brand : SAFETY JOGGER  
 Manufacturer : CORTINA  
 Colour : --  
 Vendor : --  
 Supplier : --  
 P.O. No. : --  
 Ref. : MEN CASUAL SAFETY HIGH with outsole Mould M1645 PU+PU  
 Country Of Origin : China  
 Goods Exported To : Belgium/U.S.A.  
 Date Received/Date Test Started: Apr. 08, 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](mailto:gzfootwear@intertek.com)

Authorized By:  
For Intertek Testing Services Shenzhen Ltd.  
Guangzhou Branch



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/ 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)	<u>ASTM F2413-18 Requirement</u>	<u>Pass / Fail</u>
	Interior Height Clearance		
Left:	17.3 mm	*	Pass
Right:	19.6 mm	*	Pass
Left:	15.7 mm	*	Pass

	(B)	<u>ASTM F2413-18 Requirement</u>	<u>Pass / Fail</u>
	Interior Height Clearance		
Left:	14.3 mm	*	Pass
Right:	16.0 mm	*	Pass
Left:	16.9 mm	*	Pass

Remark: \* =  $\geq 12.7$  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:	19.6 mm	*	Pass
Right:	20.6 mm	*	Pass
Right:	21.5 mm	*	Pass

	(B)	<u>ASTM F2413-18 Requirement</u>	<u>Pass/Fail</u>
	Interior Height Clearance		
Left:	21.1 mm	*	Pass
Right:	20.3 mm	*	Pass
Right:	20.6 mm	*	Pass

Remark: \* =  $\geq 12.7$  mm

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	$8.5 \times 10^6 \Omega$	*	Pass
	Right	$6.5 \times 10^6 \Omega$	*	Pass
	One Pair	$4.3 \times 10^6 \Omega$	*	Pass
Sample 2	Left	$8.8 \times 10^6 \Omega$	*	Pass
	Right	$6.1 \times 10^6 \Omega$	*	Pass
	One Pair	$4.0 \times 10^6 \Omega$	*	Pass
Sample 3	Left	$9.2 \times 10^6 \Omega$	*	Pass
	Right	$8.7 \times 10^6 \Omega$	*	Pass
	One Pair	$5.9 \times 10^6 \Omega$	*	Pass
	(B)		ASTM F2413-18 Requirement	Pass/Fail
Sample 1	Left	$6.1 \times 10^6 \Omega$	*	Pass
	Right	$4.9 \times 10^6 \Omega$	*	Pass
	One Pair	$3.5 \times 10^6 \Omega$	*	Pass
Sample 2	Left	$6.0 \times 10^6 \Omega$	*	Pass
	Right	$6.8 \times 10^6 \Omega$	*	Pass
	One Pair	$4.0 \times 10^6 \Omega$	*	Pass
Sample 3	Left	$6.9 \times 10^6 \Omega$	*	Pass
	Right	$5.8 \times 10^6 \Omega$	*	Pass
	One Pair	$4.1 \times 10^6 \Omega$	*	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.)

	(D)	<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.

5 Flex Resistance For Puncture Resistant Devices (ASTM F2412-18a, 11.7 & CSA Z195-14, 6.3.2)

	(D)	<u>ASTM F2413-18 Requirement</u>	<u>Pass/Fail</u>
Left:	No Signs Of Cracking After 1.5 x 10 <sup>6</sup> Flexes.	*	Pass
Right	No Signs Of Cracking After 1.5 x 10 <sup>6</sup> Flexes.	*	Pass
Left:	No Signs Of 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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