

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

Date: Feb 21, 2019

Attn: PETER DE MEZURE

### Sample Description:

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

- (A) Three (3) pairs of BEYONCE Women's Cemented lace up safety ankle boots in Black
- (B) One (1) pair of RIHANNA Women's Cemented lace up low cut safety shoes in Black
- (C) Three (3) pairs of Non-metallic anti-penetration inserts.

Standard : ASTM F2413-18  
Size : US 8  
Buyer's Name : CORTINA N.V.  
Ref. No : BEYONCE, RIHANNA  
Brand : SAFETYJOGGER  
Manufacturer : CORTINA N.V.  
Colour : Black/Grey  
Vendor : --  
Supplier : --  
P.O. No. : --  
Ref. : Ladies Casual High/Low Safety with M2002 Rubber 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](mailto:gzfootwear@intertek.com)

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



Guiliang Dong  
Senior Lab Manager



- 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:	15.4 mm	≥ 11.9 mm	Pass
Right:	15.8 mm	≥ 11.9 mm	Pass
Left:	16.2 mm	≥ 11.9 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:	15.1 mm	≥ 11.9 mm	Pass
Right:	17.3 mm	≥ 11.9 mm	Pass
Right:	17.0 mm	≥ 11.9 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	$3.4 \times 10^6 \Omega$	Pass
	Right	$7.6 \times 10^7 \Omega$	Pass
	One Pair	$1.0 \times 10^7 \Omega$	Pass
Sample 2	Left	$4.2 \times 10^6 \Omega$	Pass
	Right	$5.6 \times 10^7 \Omega$	Pass
	One Pair	$8.8 \times 10^6 \Omega$	Pass
Sample 3	Left	$4.4 \times 10^6 \Omega$	Pass
	Right	$9.7 \times 10^7 \Omega$	Pass
	One Pair	$2.1 \times 10^7 \Omega$	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.)

	(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
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
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

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)

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