



中国认可  
国际互认  
检测  
TESTING  
CNAS L0167

## Test Report

SL92509286030601FW

Date: April 03, 2025 Page 1 of 9

Applicant: CORTINA NV  
MEERSBLOEM- MELDEN 42,  
9700 OUDENAARDE, BELGIUM

Attn: Peter De Mezure

The following products were identified on behalf of the client as:

Group Reference : JACKMAN  
RENA  
LABOR  
Model(s) Description : JACKMAN Safety Ankle Boot in Brown  
JACKMAN Safety Ankle Boot in Black  
RENA Safety Low Shoe in Black  
LABOR Safety Ankle Boot in Black

The following sample(s) was/were submitted for testing:

Sample Description : A. Three Pairs of Safety Ankle Boot in Brown  
B. One Pair of Safety Ankle Boot in Black  
C. One Pair of Safety Low Shoe in Black  
D. One Pair of Safety Ankle Boot in Black

Buyer's Name : CORTINA  
Brand : SAFETY JOGGER  
Manufacturer : CORTINA  
Size : Men's US 9  
Model Name : (A/B)JACKMAN  
(C)RENA  
(D)LABOR  
Toecap : SJ Steel Toecap LQ522-Perforated  
Puncture Resistant Device : SJ Steel Plate  
Sole : Black Rubber  
Upper : (A) Brown Crazy Horse Leather (B) Black Crazy Horse Leather  
(C/D) Black Embossed Split Cow Leather  
(A) Brown Crazy Horse Leather + Brown Polyester Elastic  
Collar : (B) Black Crazy Horse Leather + Black Polyester Elastic  
(C/D) Black PU  
Tongue : (A/B) / (C/D) Black PU  
Vamp Lining : White Polyester Non-Woven  
Quarter Lining : (A/B) Black Polyester SJ BK Mesh  
(C/D) Grey Polyester SJ BK Mesh  
Counter Lining : (A/B) Black Suede Microfiber  
(C/D) Grey Polyester SJ BK Mesh  
Collar Lining : (A/B) Black Suede Microfiber (C/D) Grey Polyester SJ BK Mesh  
Insole : D.Grey Polyester Non-Woven  
In-sock (foot-bed) : Dark Grey Polyester Mesh + SJFOAM2 Industrial (PU)



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Judgment Accordance : ASTM F2413-24  
Test Performance/  
Standard : See testing results page  
  
Sample Receiving Date : Mar 27, 2025  
Testing Period : Mar 28, 2025 ~ Apr 03, 2025  
Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the  
sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Asan Huang (Approved Signatory)

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Conclusion	A US 9#	Remark
Protective Toe Impact Resistance	P	
Protective Toe Compression Resistance	P	
Static Dissipative	P	
Slip Resistance (Dry and Wet)	P	
Slip Resistance (Oily/Wet)	P	



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## Test Result

**Performance Requirements for Protective (Safety) Toe Cap Footwear**

ASTM F2413-24

**Protective Toe Impact Resistance**

(ASTM F2412-24, Clause 5; Impact energy: 101.75 J)

**A US 9#(Left)**

	No. 1	No. 2	Requirement
Internal Height Clearance(mm)	22.1	22.0	Min. 12.7 mm

**Conclusion****Pass****A US 9#(Right)**

	No. 3	Requirement
Internal Height Clearance(mm)	21.7	Min. 12.7 mm

**Conclusion****Pass****Protective Toe Compression Resistance**

(ASTM F2412-24, Clause 6; Compression load: 2500 lbf)

**A US 9#(Left)**

	No. 1	Requirement
Internal Height Clearance(mm)	25.5	Min. 12.7 mm

**Conclusion****Pass****A US 9#(Right)**

	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	25.9	25.8	Min. 12.7 mm

**Conclusion****Pass****Static Dissipative**

(ASTM F2412-24, Clause 10; Test Voltage: 50 V)

**A US 9#**

	No. 1	No. 2	No. 3	Average	Requirement
Electrical Resistance (Left)(MΩ)	61.4	84.3	94.5	80.1	SD 100: 1 ~ 100 MΩ
Electrical Resistance (Right)(MΩ)	45.3	66.4	90.5	67.4	SD 100: 1 ~ 100 MΩ
Electrical Resistance (One Pair)(MΩ)	34.5	46.3	74.0	51.6	SD 100: 1 ~ 100 MΩ

**Conclusion****Pass**

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**Slip Resistance (Dry and Wet)**

(ASTM F2913-24; Lubricant: Distilled Water, Vertical Force: (500±25) N)

A-US 9# left shoe 1	Unit	Forepart	Heel part	Requirement
<u>Clay Tile</u>				
<u>Tested Dry Then Wet</u>				
Coefficient of Friction				-
Dry	-	0.88	0.84	Min. 0.40
Wet	-	0.63	0.54	Min. 0.40
<b>Conclusion</b>		<b>Pass</b>		
A-US 9# right shoe 2	Unit	Forepart	Heel part	Requirement
<u>Clay Tile</u>				
<u>Tested Wet Then Dry</u>				
Coefficient of Friction				-
Dry	-	0.92	0.87	Min. 0.40
Wet	-	0.62	0.55	Min. 0.40
<b>Conclusion</b>		<b>Pass</b>		
A-US 9# left shoe 3	Unit	Forepart	Heel part	Requirement
<u>Clay Tile</u>				
<u>Tested Dry Then Wet</u>				
Coefficient of Friction				-
Dry	-	0.91	0.81	Min. 0.40
Wet	-	0.62	0.54	Min. 0.40
<b>Conclusion</b>		<b>Pass</b>		

Remark:

- 1) The performance of slip resistance can be affected by surface roughness, presence of water, contaminants such as grease and other foreign materials, and floor surface wear over time.
- 2) Shoe Size: US 9

**Slip Resistance (Oily/Wet)**

(ASTM F2913-24; Test Surface: Clay Tile; Vertical Force: (500±25) N)

A US 9#	Unit	Backward forepart	Forward heel	Requirement
<u>Oily Wet ((0.2±0.02g) of 100% corn oil with distilled water)</u>				
Coefficient of Friction				-
Shoe 1(Left)	-	0.34	0.34	Min. 0.33
Shoe 2(Right)	-	0.36	0.34	Min. 0.33
Shoe 3(Left)	-	0.36	0.34	Min. 0.33
<b>Conclusion</b>		<b>Pass</b>		

## Remark:

The performance of slip resistance can be affected by surface roughness, presence of water, contaminants such as grease and other foreign materials, and floor surface wear over time.

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## Sample Photo







The samples B/C/D have not been tested and provided by the client for reference only

**Product information is provided by applicant without verification or authentication of the brand.**

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

\*\*\*End of Report\*\*\*





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