

Test Report

SL92429348769101FW

Date: November 04, 2024 Page 1 of 7

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 : APOLLO
HERCULES
ARTEMIS
Model(s) Description : APOLLO Safety Knee Boot in Yellow
HERCULES Safety Knee Boot in Black
ARTEMIS Safety Knee Boot in Green

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

Sample Description : Three Pairs of Safety Knee Boot in Yellow

Buyer's Name : CORTINA
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Size : Men's US 9
Model Name : APOLLO
Reference Number: : /
Toecap : SJ Steel Toecap ZLWR
Puncture Resistant Device : SJ Steel Plate
Sole : Black SJ PVC
Upper : Yellow SJ PVC
Collar Binding : Yellow PU
Judgment Accordance : ASTM F2413-24
Test Performance/
Standard : See testing results page

Sample Receiving Date : Oct 21, 2024

Testing Period : Oct 21, 2024 ~ Oct 24, 2024

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).



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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	

Remark(s) : P = Meet Client's Requirement.
F = Below Client's Requirement.
= No Specified Requirement.
NA = Not Applicable.



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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)	26.8	27.9	Min. 12.7 mm

Conclusion

Pass

A US 9#(Right)

	No. 3	Requirement
Internal Height Clearance(mm)	28.0	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)	26.6	Min. 12.7 mm

Conclusion

Pass

A US 9#(Right)

	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	28.4	27.1	Min. 12.7 mm

Conclusion

Pass



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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)	35.4	76.8	89.5	67.2	SD 100: 1 ~ 100 MΩ
Electrical Resistance (Right)(MΩ)	68.1	58.3	50.5	59.0	SD 100: 1 ~ 100 MΩ
Electrical Resistance (One Pair)(MΩ)	35.9	52.6	52.9	47.1	SD 100: 1 ~ 100 MΩ

Conclusion

Pass

Slip Resistance (Dry and Wet)

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

A-shoe 1-Right	Unit	Forepart	Heel part	Requirement
<u>Clay Tile</u>				
<u>Tested Dry Then Wet</u>				
Coefficient of Friction				-
Dry	-	0.60	0.55	Min. 0.40
Wet	-	0.64	0.58	Min. 0.40
Conclusion		Pass		

A-shoe 2-Left	Unit	Forepart	Heel part	Requirement
<u>Clay Tile</u>				
<u>Tested Wet Then Dry</u>				
Coefficient of Friction				-
Dry	-	0.64	0.57	Min. 0.40
Wet	-	0.64	0.57	Min. 0.40
Conclusion		Pass		

A-shoe 3-Right	Unit	Forepart	Heel part	Requirement
<u>Clay Tile</u>				
<u>Tested Dry Then Wet</u>				
Coefficient of Friction				-
Dry	-	0.63	0.57	Min. 0.40
Wet	-	0.63	0.58	Min. 0.40
Conclusion		Pass		

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: 9



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Sample Photo



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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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