



中国认可
国际互认
检测
TESTING
CNAS-L0167

Test Report

SL92509260194801FW

Date: January 15, 2025 Page 1 of 8

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 : SI230012A
HAVEN S3 SLIP ON (HAVENS3SLP)
Model(s) Description : SI230012A Safety Ankle Boot in Black
HAVEN S3 SLIP ON (HAVENS3SLP) /SI220093A Safety Low Shoes in Black

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

Sample Description : Three Pair of Safety Ankle Boot in Black

Buyer's Name : CORTINA
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Size : Men's US 9
Reference Number: : SI230012A
Toecap : N604 Nano Toe (Composite)
Puncture Resistant Device : Kevlar (Biagioli) Non-metallic Insert
Sole : Rubber
Upper : Black IN Cow Full Grain Leather
Upper Insert Material : Black Elastic
Collar : Black IN Cow Full Grain Leather
Vamp Lining : Black Polyester SJ BK Mesh
Quarter Lining : Black Polyester SJ BK Mesh
Counter Lining : Grey Suede Microfiber
Collar Lining : Black Soft Calf PU
Insole : Kevlar (Biagioli) Non-metallic Insert
In-sock (foot-bed) : Dark Grey Polyester Mesh + SJFOAM6 Industrial (PU)
Judgment Accordance : ASTM F2413-24
Test Performance/
Standard : See testing results page

Sample Receiving Date : Jan 03, 2025
Testing Period : Jan 03, 2025 ~ Jan 15, 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).



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch: Inspection & Testing Laboratory

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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	
Slip Resistance (Oily/Wet)	P	

Remark(s) : P = Meet Client's Requirement.



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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)	20.3	20.3	Min. 12.7 mm

Conclusion Pass

A US 9#(Right)

	No. 3	Requirement
Internal Height Clearance(mm)	18.7	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)	25.8	Min. 12.7 mm

Conclusion Pass

A US 9#(Right)

	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	25.3	26.2	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)	1.3	1.7	2.1	1.7	SD 10: 1 ~ 10 MΩ
Electrical Resistance (Right)(MΩ)	2.0	1.8	2.8	2.2	SD 10: 1 ~ 10 MΩ
Electrical Resistance (One Pair)(MΩ)	1.1	1.0	1.3	1.1	SD 10: 1 ~ 10 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
Clay Tile				
Tested Dry Then Wet				
Coefficient of Friction				-
Dry	-	0.78	0.60	Min. 0.40
Wet	-	0.50	0.42	Min. 0.40
Conclusion		Pass		
A-US 9# right shoe 2	Unit	Forepart	Heel part	Requirement
Clay Tile				
Tested Wet Then Dry				
Coefficient of Friction				-
Dry	-	0.80	0.61	Min. 0.40
Wet	-	0.49	0.43	Min. 0.40
Conclusion		Pass		
A-US 9# left shoe 3	Unit	Forepart	Heel part	Requirement
Clay Tile				
Tested Dry Then Wet				
Coefficient of Friction				-
Dry	-	0.79	0.62	Min. 0.40
Wet	-	0.49	0.43	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: US 9



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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
Oily Wet ((0.2±0.02g) of 100% corn oil with distilled water)				
Coefficient of Friction				-
Shoe 1(Left)	-	0.41	0.34	Min. 0.33
Shoe 2(Right)	-	0.41	0.33	Min. 0.33
Shoe 3(Left)	-	0.41	0.33	Min. 0.33
Conclusion		Pass		

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



This sample has 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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