



中国认可
国际互认
检测
TESTING
CNAS-L0167

Test Report

SL92439363998701FW

Date: December 19, 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 : MODULO ARMOR S3S LOW(MDLOAMRS3L)
MODULO ARMOR S3S MID(MDLOAMRS3M)
Model(s) Description : MODULO ARMOR S3S LOW(MDLOAMRS3L)/ SI220108B Safety Low in Black
MODULO ARMOR S3S MID(MDLOAMRS3M)/ SI220109C Safety Ankle Boot in Black

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

Sample Description : A. Three Pairs of Safety Low shoe in Black
B. Three Pairs of Safety Ankle Boot in Black

Buyer's Name : CORTINA
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Size : Men's US 9
Model Name : (A)MODULO ARMOR S3S LOW(MDLOAMRS3L)
(B)MODULO ARMOR S3S MID(MDLOAMRS3M)
Toecap : Black N604 Nano Carbon Toecap (Composite)
Puncture Resistant Device : IN Antistatic Kevlar
Sole : Black BASF PU + Black BASF PU
Upper : Black SJ Devider TPU Nylon
Collar : (A) Black IN Synthetic Lining Spacer Mesh (Polyester)
(B) Black Synthetic Skinfitt Lining Eva Laminated
Tongue : Black IN Synthetic Lining Spacer Mesh (Polyester) + Black IN SYN LIN Gallop Mesh (Polyester)
Vamp Lining : Red IN Synthetic Lining Spacer Mesh (Polyester)
Quarter Lining : Red IN Synthetic Lining Spacer Mesh (Polyester)
Counter Lining : Black IN Synthetic Lining Heel Grip (Polyester)
Insole : IN Antistatic Kevlar
In-sock (foot-bed) : Black Polyester SJ BK Mesh + SJFOAM(PU)/SJ3FIT(MID)
Judgment Accordance : ASTM F2413-24
Test Performance/ Standard : See testing results page

Sample Receiving Date : Dec 13, 2024

Testing Period : Dec 13, 2024 ~ Dec 19, 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).



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	

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)	17.7	18.5	Min. 12.7 mm

Conclusion Pass

A US 9#(Right)

	No. 3	Requirement
Internal Height Clearance(mm)	18.3	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)	23.3	Min. 12.7 mm

Conclusion Pass

A US 9#(Right)

	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	22.8	23.0	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)	11.2	9.2	11.4	10.6	SD 35: 1 ~ 35 MΩ
Electrical Resistance (Right)(MΩ)	10.4	10.1	9.9	10.1	SD 35: 1 ~ 35 MΩ
Electrical Resistance (One Pair)(MΩ)	6.5	7.6	6.5	6.9	SD 35: 1 ~ 35 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	-	0.91	0.70	Min. 0.40
Wet	-	0.60	0.51	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	-	0.93	0.73	Min. 0.40
Wet	-	0.65	0.55	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	-	0.91	0.72	Min. 0.40
Wet	-	0.63	0.52	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



The sample B 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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