

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

Attn: Peter De Mezure

The following sample(s) was/were submitted and identified on behalf of the client as:

- Group Reference : SAFETYSTAR
- Model(s) Description : SAFETY STAR S3 LOW low shoe in black, available with 2 insocks.  
SAFETYSTAR ankle boot in black, available with 2 insocks.
- Sample Description : A: Three pairs of low shoe in black with Black Polyester SJ BK Mesh + EVA (SJ ECO) insock. (SAFETY STAR S3 LOW).  
B: Three pairs of low shoe in black with Black Polyester SJ BK Mesh + SJ FOAM(PU) insock. (SAFETY STAR S3 LOW).  
C: Four and a half pairs of steel penetration resistant device.  
D: One pair of outsoles in black.  
E: One pair of ankle boots in black. (SAFETYSTAR)

- Buyer : SAFETY JOGGER
- Manufacturer : CORTINA N.V.
- Model Name : SAFETY STAR S3 LOW(SI110019A) / SAFETYSTAR
- Country of Origin : China
- Country of Destination : United States, Europe
- Size : Men's US 9
- Protective toe cap : (A/E) Steel Toecap
- Insert Plate : (A/E) Steel Insert
- Upper : (A/E) Black PU Coated Embossed Cow Leather
- Vamp Lining : (A/E) Grey polyester non-woven Fabric
- Quarter Lining : (A/E) Black polyester SJ BK Mesh
- Counter Lining : (A/E) Black polyester SJ BK Mesh
- Insole : (A/E) Grey polyester non-woven fabric
- In-sock (foot-bed) : Insock1: (A/E) Black Polyester SJ BK Mesh + EVA (SJ ECO) Insock2: (A/E) Black Polyester SJ BK Mesh + SJ FOAM(PU)
- Sole (Midsole & Outsole) : (A/E) BLACK PU/PU
- Tongue : (A/E) BLACK PU
- Collar : (A/E) BLACK PU
- Lace : (A/E) Black polyester
- Sewing Thread : (A/E) Black polyester
- Retest : No
- Judgment Accordance : ASTM F2413-18
  
- Sample Receiving Date : Dec 31, 2021
- Testing Period : Dec 31, 2021 - Jan 17, 2022
- 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).
  
- Test Performed : Selected test(s) as requested by applicant



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Test Report

SL92119337192901FW

Date: January 17, 2022

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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 SIZE 9#	B SIZE 9#	C	D	Remark
Impact Resistance	P	P	-	-	
Compression Resistance	P	P	-	-	
Puncture Resistance	-	-	P	-	
Flexing Resistance For Puncture Resistance Plates	-	-	P	-	
Corrosion Resistance For Puncture Resistance Plates	-	-	P	-	
Mark II Slip Resistance				#	

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



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Test Result

**Impact Resistance**

(ASTM F2412-18a, Clause 5;)

**A SIZE 9#**

	No. 1	No. 2	No. 3	Average	Requirement
Internal Height Clearance(mm)	19.4	21.8	20.5	20.5	Min. 12.7 mm

**Conclusion**

**Pass**

**B SIZE 9#**

	No. 1	No. 2	No. 3	Average	Requirement
Internal Height Clearance(mm)	19.7	19.8	19.7	19.7	Min. 12.7 mm

**Conclusion**

**Pass**

**Compression Resistance**

(ASTM F2412-18a, Clause 6;)

**A SIZE 9#**

	No. 1	No. 2	No. 3	Average	Requirement
Internal Height Clearance(mm)	23.1	23.2	23.2	23.2	Min. 12.7 mm

**Conclusion**

**Pass**

**B SIZE 9#**

	No. 1	No. 2	No. 3	Average	Requirement
Internal Height Clearance(mm)	23.4	23.8	23.2	23.4	Min. 12.7 mm

**Conclusion**

**Pass**

**Puncture Resistance**

(ASTM F2412-18a, Clause 11.5;)

**C**

	No. 1	No. 2	No. 3	Requirement
Assessment	No visually penetration	No visually penetration	No visually penetration	See Remark

**Conclusion**

**Pass**

Remark: When viewed at 90° angle, the tip of the test pin does not visually penetrate beyond the face of the material nearest the foot, after an applied force of 1200N



**Flexing Resistance For Puncture Resistance Plates**

(ASTM F2412-18a, Clause 11.7;)

**C**

	No. 1	No. 2	No. 3	Requirement
Assessment	No visible signs of cracking	No visible signs of cracking	No visible signs of cracking	See Remark

**Conclusion**

**Pass**

Remark: The specimen shall show no visible signs of delamination of layers or cracking after 1.5 x 10<sup>6</sup> flexes.

**Corrosion Resistance For Puncture Resistance Plates**

(ASTM F2412-18a, Clause 11.8; Concentration of salt solution: 5 %; Exposure period: 24 h)

**C**

	No. 1	No. 2	No. 3	Requirement
Assessment	No signs of corrosion	No signs of corrosion	No signs of corrosion	See Remark

**Conclusion**

**Pass**

Remark: No signs of corrosion, de-lamination, or deterioration after being exposed to a 5% salt solution for 24 hours.

**Mark II Slip Resistance**

(ASTM F1677-05; Test Surface: Clay Tile)

-	Unit	D	Requirement
Dry	-	0.40	data only
Wet	-	0.33	data only
<b>Conclusion</b>		<b>Data Only</b>	

Remark: This test item is not accredited under the CNAS accreditation scope.



### Sample Photo



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



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The sample E has not been tested and provided by the client for reference only  
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The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

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



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