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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT90866849

Date: Feb 18, 2019

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

Attn: PETER DE MEZURE

Sample Description:

- Three (3) groups of submitted samples said to be:
- (A) Three (3) pairs of Men's safety ankle boots in Black/Brown
- (B) One (1) pair of Men's safety shoes in Black/Brown
- (C) Three (3) pairs of insole boards

Standard : ASTM F2413-18
 Size : US 9
 Buyer's Name : CORTINA N.V.
 Ref. No : CLIMBER, JUMPER
 Brand : SAFETYJOGGER
 Manufacturer : CORTINA N.V.
 Colour : Black/Brown/Navy
 Vendor : --
 Supplier : --
 P.O. No. : --
 Ref. : Men Casual High/Low Safety with M1159 PU/PU sole
 Country Of Origin : --
 Goods Exported To : Belgium/U.S.A.
 Date Received/Date Test Started: Feb. 11, 2019
 Date Final Information Confirmed: --

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Guiliang Dong
Senior Lab Manager



BF / lydiayang

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

深圳天祥质量技术服务有限公司广州分公司

Room 02, 1-8/F. & Room 01, E101/E201/E301/E401/E501/E601/E701/E801,
No.7-2, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, Guangdong, China
广州经济技术开发区科学城彩频路7号之二第1-8层02房、01房101、
E201、E301、E401、E501、E601、E701、E801
Tel: +86 208213 9001 Fax: +86 20 82089909 Postcode: 510663

3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou,
China
中国广州经济技术开发区开发大道235号恒运大厦3楼
Tel: +86 20 83966868 Fax: +86 20 82228169 Postcode: 510730

Tests Conducted (As Requested By The Applicant)

- 1 Protective Toe Impact Resistance (I) (ASTM F2412-18a, 5, Impact Force: 101.7 J (75 lbf), Testing Performed At 22°C And 50% RH)

| | (A) | ASTM F2413-18 Requirement | Pass / Fail |
|--------|---------------------------|---------------------------|-------------|
| | Interior Height Clearance | | |
| Left: | 19.4 mm | ≥ 12.7 mm | Pass |
| Right: | 20.5 mm | ≥ 12.7 mm | Pass |
| Left: | 19.6 mm | ≥ 12.7 mm | Pass |

- 2 Protective Toe Compression Resistance (C) (ASTM F2412-18a, 6, Compression Force: 11 121 N (2 500 lbf), Testing Performed At 22°C And 50% RH)

| | (A) | ASTM F2413-18 Requirement | Pass/Fail |
|--------|---------------------------|---------------------------|-----------|
| | Interior Height Clearance | | |
| Left: | 21.9 mm | ≥ 12.7 mm | Pass |
| Right: | 21.5 mm | ≥ 12.7 mm | Pass |
| Right: | 23.6 mm | ≥ 12.7 mm | Pass |

- 3 Static Dissipative Footwear (SD) (ASTM F2412-18a, 10, Conditioned At 22°C And 50% RH For 24 h And Testing Performed At The Same Conditions.)

| | (A) | ASTM F2413-18 Requirement | Pass/Fail |
|----------|----------|---------------------------|-----------|
| Sample 1 | Left | $2.3 \times 10^7 \Omega$ | * |
| | Right | $3.6 \times 10^7 \Omega$ | * |
| | One Pair | $1.4 \times 10^7 \Omega$ | * |
| Sample 2 | Left | $3.4 \times 10^7 \Omega$ | * |
| | Right | $2.8 \times 10^7 \Omega$ | * |
| | One Pair | $1.6 \times 10^7 \Omega$ | * |
| Sample 3 | Left | $3.7 \times 10^7 \Omega$ | * |
| | Right | $2.6 \times 10^7 \Omega$ | * |
| | One Pair | $1.9 \times 10^7 \Omega$ | * |

Remark: * = SD 100 : $1 \times 10^6 \Omega \sim 1 \times 10^8 \Omega$



4 Puncture Resistance Footwear (PR) (ASTM F2412-18a, 11, Conditioned At 22°C And 50% RH For 24 h And Testing Performed At The Same Conditions.)

| | (C) | <u>ASTM F2413-18 Requirement</u> | <u>Pass/Fail</u> |
|--------|---|----------------------------------|------------------|
| Left: | The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1 200 N. | Min. 1 200 N (*) | Pass |
| Right: | The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1 200 N. | Min. 1 200 N (*) | Pass |
| Left: | The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1 200 N. | Min. 1 200 N (*) | Pass |

Remark: * = The Test Pin Does Not Visually Penetrate Beyond The Face Of The Material Nearest The Foot.

5 Flex Resistance For Puncture Resistant Devices (ASTM F2412-18a, 11.7 & CSA Z195-14, 6.3.2)

| | (C) | <u>ASTM F2413-18 Requirement</u> | <u>Pass/Fail</u> |
|--------|--|----------------------------------|------------------|
| Left: | No Signs Of Cracking After 1.5 x 10 ⁶ Flexes. | * | Pass |
| Right: | No Signs Of Cracking After 1.5 x 10 ⁶ Flexes. | * | Pass |
| Left: | No Signs Of Cracking After 1.5 x 10 ⁶ Flexes. | * | Pass |

Remark: * = No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10⁶ Flexes.



End Of Report

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