



中国认可
国际互认
检测
TESTING
CNAS L0220

Test Report

Number: GZHT90697543

Applicant: CORTINA N.V.
MEERSBLOEM-MELDEN 42,
9700 OUDENAARDE, BELGIUM
Attn: PETER DE MEZURE

Date: May 04, 2017

Sample Description:

Three (3) groups of submitted samples said to be:
(A) Three (3) pairs of SAFETYBOY Injection lace up safety ankle boots in Black
(B) Three (3) pairs of SAFETYRUN Injection lace up low cut safety shoes in Black
(C) Black mesh + EVA insock from sample A.

Standard	:	EN ISO 20345: 2011
Size	:	EUR 36, 42, 46
Ref. No.	:	SAFETYBOY/SAFETYRUN
Ref.	:	Men casual safety low & high
Brand	:	Safety Jogger
Insert Plate	:	Steel plate
Toe Cap	:	Steel toecap
Sole	:	M1645 PU
Upper	:	Black embossed leather
Vamp Lining	:	White non-woven
Quarter Lining	:	Black mesh
Tongue	:	Black PU
Collar	:	Black PU
Insole	:	Black non-woven
Insock	:	Black mesh + EVA
Date Received/Date Test Started:	:	Apr 20, 2017
Date Final Information Confirmed/	:	--/--
Date Payment Received:	:	

Test Result Please Refer To Attached Page(S).

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

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Tests Conducted (As Requested By The Applicant)

1 Seat Region (Design) (EN ISO 20345:2011(5.2.3))

Sample	Size	Assessment	Requirement	Pass/Fail
(A)	36	The Seat Region Was Closed. In This Area Of The Upper, There Are No Holes Other Than To Form Seams.	*	Pass
	42	The Seat Region Was Closed. In This Area Of The Upper, There Are No Holes Other Than To Form Seams.	*	Pass
	46	The Seat Region Was Closed. In This Area Of The Upper, There Are No Holes Other Than To Form Seams.	*	Pass

Sample	Size	Assessment	Requirement	Pass/Fail
(B)	36	The Seat Region Was Closed. In This Area Of The Upper, There Are No Holes Other Than To Form Seams.	*	Pass
	42	The Seat Region Was Closed. In This Area Of The Upper, There Are No Holes Other Than To Form Seams.	*	Pass
	46	The Seat Region Was Closed. In This Area Of The Upper, There Are No Holes Other Than To Form Seams.	*	Pass

Remark: * = The Seat Region Shall Be Closed. In This Area Of The Upper, Below The Minimum Height Given In Below, There Shall Be No Holes Other Than To Form Seams.
Assessment

Sample A		Sample B	
Size 36	44 mm	Size 36	44 mm
Size 42	50 mm	Size 42	50 mm
Size 46	53 mm	Size 46	53 mm



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2 Specific Ergonomic Features (Whole Footwear) (EN ISO 20344:2011(5.1))

Sample	Size	Assessment		Requirement	Pass/Fail
(A)	42	Left	All The Answers Are Positive.	*	Pass
		Right	All The Answers Are Positive.	*	Pass
	46	Left	All The Answers Are Positive.	*	Pass
		Right	All The Answers Are Positive.	*	Pass

Sample	Size	Assessment		Requirement	Pass/Fail
(B)	42	Left	All The Answers Are Positive.	*	Pass
		Right	All The Answers Are Positive.	*	Pass
	46	Left	All The Answers Are Positive.	*	Pass
		Right	All The Answers Are Positive.	*	Pass

Remark: * = All The Answers Are Positive In The Questionnaire As Below:
 Question 1: Is The Inside Surface Of The Footwear Free From Rough, Sharp Or Hard Areas That Caused You Irritation Or Injury?
 Question 2: Is The Footwear Free Of Features That You Consider To Make Wearing The Footwear Hazardous?
 Question 3: Can The Fastening Be Adequately Adjusted (If Necessary)?
 Question 4: Can The Following Activities Be Performed Without Problems?
 4.1 Walking
 4.2 Climbing Stairs
 4.3 Kneeling/ Crouching Down (It Is Not Applicable If The Footwear Is Rigid In Accordance With ISO 20344, 8.4.1.)

3 Construction (Whole Footwear) (EN ISO 20345:2011(5.3.1.1))

Sample	Size	Assessment	Requirement	Pass/Fail
(A)	36	The Insole Cannot Be Removed Without Damaging The Footwear.	*	Pass
	42	The Insole Cannot Be Removed Without Damaging The Footwear.	*	Pass
	46	The Insole Cannot Be Removed Without Damaging The Footwear.	*	Pass

Remark: * = The Insole Cannot Be Removed Without Damaging The Footwear.
 If There Is No Insole, A Permanently Attached Insock Shall Be Present.



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4 General (Toe Protection) EN ISO 20345:2011(5.3.2.1)

Sample	Size	Assessment	Requirement	Pass/Fail
(B)	36	The Toecap Cannot Be Removed Without Damaging The Footwear. Edge Covering Beneath Toecap: 10 mm Edge Covering Behind Toecap: 14 mm Width Of Toecap Flange: 6 mm Thickness Of Scuff-Resistant Covering: 4 mm Vamp Lining Present.	*	Pass
	42	The Toecap Cannot Be Removed Without Damaging The Footwear. Edge Covering Beneath Toecap: 7 mm Edge Covering Behind Toecap: 13 mm Width Of Toecap Flange: 6 mm Thickness Of Scuff-Resistant Covering: 3 mm Vamp Lining Present.	*	Pass
	46	The Toecap Cannot Be Removed Without Damaging The Footwear. Edge Covering Beneath Toecap: 7 mm Edge Covering Behind Toecap: 14 mm Width Of Toecap Flange: 6 mm Thickness Of Scuff-Resistant Covering: 4 mm Vamp Lining Present.	*	Pass

Remark: * = The Toecap Cannot Be Removed Without Damaging The Footwear.
Edge Covering Beneath Toecap: Min. 5 mm
Edge Covering Behind Toecap: Min. 10 mm
Width Of Toecap Flange: Max. 10 mm
Thickness Of Scuff-Resistant Covering: Min. 1 mm
Footwear Shall Have A Vamp Lining Or An Element Of The Upper That Serves As A Lining.

Expanded Uncertainty:

Edge Covering Beneath Toecap: 0.29 mm, With k= 1.96 At 95% Confidence Level.

Edge Covering Behind Toecap: 0.45 mm, With k= 2.1 At 95% Confidence Level.

Width Of Toecap Flange: 0.45 mm, With k= 2.1 At 95% Confidence Level.



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5 Construction (Whole Footwear) EN ISO 20345:2011(6.2.1.2)

Sample	Size	Assessment		Requirement	Pass/Fail
(B)	36	Left	Comply With Requirement.	*	Pass
		Right	Comply With Requirement.	*	Pass
	42	Left	Comply With Requirement.	*	Pass
		Right	Comply With Requirement.	*	Pass
	46	Left	Comply With Requirement.	*	Pass
		Right	Comply With Requirement.	*	Pass

Remark: * = The Penetration Resistance Insert Can Not Be Removed Without Damaging The Footwear. Except For Non-Metallic Inserts That Also Function As An Insole, The Insert Shall Not Lie Above The Flange Of The Safety Toecap And Shall Not Be Attached To It

6 Water Absorption & Desorption (Insock) (EN ISO 20344: 2011(7.2))

Sample	Size	Results (Water Permeable Insock)	Requirement	Pass/Fail
(B)	36	Water Through Less Than 60 s.	*	Pass
	42	Water Through Less Than 60 s.	*	Pass
	46	Water Through Less Than 60 s.	*	Pass

Remark: * = Water Permeable Insock: Water Through In 60 s Or Less.



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7 Detection Of Amines Derived From Azocolourants and Azodyes

With Reference To Test Method: Textile Method (EN 14362-1: 2012)
P-Aminoazobenzene (EN 14362-3: 2012)

Amines Content Was Determined By Gas Chromatography-Mass Spectrometry (GC-MS) And High Performance Liquid Chromatography (HPLC)

	Forbidden Amine	CAS No.	Result (mg/kg) (C) Φ
1.	4-Aminodiphenyl	92-67-1	ND
2.	Benzidine	92-87-5	ND
3.	4-Chloro-o-toluidine	95-69-2	ND
4.	2-Naphthylamine	91-59-8	ND
5.	o-Aminoazotoluene	97-56-3	ND
6.	2-Amino-4-nitrotoluene	99-55-8	ND
7.	p-Chloroaniline	106-47-8	ND
8.	2,4-Diaminoanisole	615-05-4	ND
9.	4,4'-Diaminodiphenylmethane	101-77-9	ND
10.	3,3'-Dichlorobenzidine	91-94-1	ND
11.	3,3'-Dimethoxybenzidine	119-90-4	ND
12.	3,3'-Dimethylbenzidine	119-93-7	ND
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	ND
14.	p-Cresidine	120-71-8	ND
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	ND
16.	4,4'-Oxydianiline	101-80-4	ND
17.	4,4'-Thiodianiline	139-65-1	ND
18.	o-Toluidine	95-53-4	ND
19.	2,4-Toluylenediamine	95-80-7	ND
20.	2,4,5-Trimethylaniline	137-17-7	ND
21.	o-Anisidine	90-04-0	ND
22.	4-Aminoazobenzene	60-09-3	ND

Remark: ND = Not Detected
Detection limit = 5 mg/kg
Limit = 30 mg/kg

Φ = The Sample (C) Was Tested With And Without Chlorobenzene Extractions Since The Applicant Could Not Provide Sufficient Information For Choosing Extraction Method. According To Standard Test Method EN 14362-1:2012, If Material Is Printed With Pigments, The Method Without Chlorobenzene Should Be Used.

Conclusion:

Standard
Regulation (EC) No.1907/2006 Annex XVII Item 43
and its Amendments No. 552/2009 and 126/2013
(Formerly Known As Directive 2002/61/EC)

Result
Pass



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8 Rigidity Test (Outsole) (EN ISO 20344:2011(8.4))

Sample	Size	Result
(A)	36	35°

Conclusion: There's No Need To Be Performed The Flexing Test.

NOTE Footwear Whose Angle Under The Applied Force Is Lower Than 45° From The Horizontal Is Not Subjected To The Flexing Test.

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