



Number: GZHT90427215

Date: Apr 26, 2014

Applicant: BATA INDUSTRIALS EUROPE
EUROPAPLEIN 1, 5684 ZC BEST
P.O. BOX 10050, 5680 DB BEST
THE NETHERLANDS
Attn: ERIC MARCELISSSEN

Sample Description:

Two (2) Groups Of Submitted Sample Said To Be
(A) Six (6) Pairs Of Injection Low-Cut Lace Up Safety Shoes In Black, Ref.: Tropical LOW-CUT LACE UP, S1
(B) Six (6) Pairs Of Injection Low-Cut Lace Up Safety Shoes In Black, Ref.: Tropical LOW-CUT LACE UP, S1P.
Standard : EN ISO 20345: 2011
Size : EUR 34, 42, 49
Ref. No. : (A) Tropical LOW-CUT LACE UP, S1
(B) Tropical LOW-CUT LACE UP, S1P
Factory : Haiyu Limited - Liability Company
Insert Plate : (A) None
(B) Steel plate
Toe Cap : TSO SF604 Steel toe cap
Sole : PU/PU
Upper : Black split barton leather
Vamp Lining : White non-woven
Quarter Lining : Black cambrelle
Tongue : Black PU
Collar : Black PU
Insole : Non-woven board
Removable Full Insock : Black cambrelle + EVA
Date Received/Date Test Started : Apr. 15, 2014

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 GDD Branch

Handwritten signature of Andy Huang



Huang Ning, Andy
Assistant General Manager

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Tests Conducted (As Requested By The Applicant)

1 Slip Resistance (EN ISO 20344:2011(5.11), ISO 13287:2012, SRC, Temperature: 23°C)

		(A)		<u>Requirement</u>	<u>Pass/Fail</u>
<u>Size 34</u>	Left	On Eurotile 2 With NaLS			
		Forward Heel Slip (#1):	0.30	Min. 0.28	Pass
		Forward Flat Slip (#2):	0.32	Min. 0.32	Pass
		On Steel Floor With Glycerine			
		Forward Heel Slip (#1):	0.16	Min. 0.13	Pass
		Forward Flat Slip (#2):	0.20	Min. 0.18	Pass
<u>Size 42</u>	Left	On Eurotile 2 With NaLS			
		Forward Heel Slip (#1):	0.33	Min. 0.28	Pass
		Forward Flat Slip (#2):	0.32	Min. 0.32	Pass
		On Steel Floor With Glycerine			
		Forward Heel Slip (#1):	0.17	Min. 0.13	Pass
		Forward Flat Slip (#2):	0.22	Min. 0.18	Pass
<u>Size 49</u>	Right	On Eurotile 2 With NaLS			
		Forward Heel Slip (#1):	0.32	Min. 0.28	Pass
		Forward Flat Slip (#2):	0.33	Min. 0.32	Pass
		On Steel Floor With Glycerine			
		Forward Heel Slip (#1):	0.17	Min. 0.13	Pass
		Forward Flat Slip (#2):	0.21	Min. 0.18	Pass

Note:

It Must Be Noted That The Slip Resistance Test Carried Out In This Report Denotes An Indication Of Slip Of This Particular Footwear/Component On The Surface Mentioned In The Test Item. It Is Important To Note That Footwear Is Subject To Many Different Conditions Encountered In Everyday Use And That It Is Impossible To Make Footwear Resistant To Slip In All Conditions. Nevertheless, It Is Generally Accepted That Problems Are Minimized If The Guideline Coefficients Of Friction Are Achieved.

Remark:

#1 = Using Standard Shoemaking Last

#2 = Using Mechanical Foot

Expanded Uncertainty: 0.01, With K = 2.03 At 95% Confidence Level.



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2 Antistatic Footwear (Electrical Resistance) (EN ISO 20344:2011(5.10)) (A)

			<u>Requirement</u>	<u>Pass/Fail</u>
<u>Dry</u>				
<u>Size 34</u>	Left	50.7 MΩ	*	Pass
	Right	60.4 MΩ	*	Pass
<u>Size 42</u>	Left	92.7 MΩ	*	Pass
	Right	78.5 MΩ	*	Pass
<u>Size 49</u>	Left	55.6 MΩ	*	Pass
	Right	53.7 MΩ	*	Pass
<u>Wet</u>				
<u>Size 34</u>	Left	0.178 MΩ	*	Pass
	Right	0.172 MΩ	*	Pass
<u>Size 42</u>	Left	0.143 MΩ	*	Pass
	Right	0.159 MΩ	*	Pass
<u>Size 49</u>	Left	0.194 MΩ	*	Pass
	Right	0.476 MΩ	*	Pass

(B)

			<u>Requirement</u>	<u>Pass/Fail</u>
<u>Dry</u>				
<u>Size 34</u>	Left	103.3 MΩ	*	Pass
	Right	81.6 MΩ	*	Pass
<u>Size 42</u>	Left	65.9 MΩ	*	Pass
	Right	68.9 MΩ	*	Pass
<u>Size 49</u>	Left	54.1 MΩ	*	Pass
	Right	60.2 MΩ	*	Pass
<u>Wet</u>				
<u>Size 34</u>	Left	1.823 MΩ	*	Pass
	Right	1.239 MΩ	*	Pass
<u>Size 42</u>	Left	0.836 MΩ	*	Pass
	Right	0.732 MΩ	*	Pass
<u>Size 49</u>	Left	0.543 MΩ	*	Pass
	Right	0.437 MΩ	*	Pass

Remark: * = Above 100 kΩ And Less Than Or Equal To 1 000 MΩ

Expanded Uncertainty: 1.13 MΩ, With k= 2.06 At 95% Confidence Level.

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