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C.F./P.I.: 07199040150
Reg. Imprese n° 229059
Trib. di Milano
R.E.A. n° 1147818

CIMAC Centro Italiano Materiali di Applicazione Calzaturiera

Sede operativa
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According to the EEC instructions 89/686 dated 21st of December 1989, concerning the standardisation of legislation of all member countries with regard to individual protection systems and the relative legislative decree dated 4th of December 1992, N° 475,

A.N.C.I. servizi s.r.l. - C.I.M.A.C. section
CENTRO ITALIANO MATERIALI DI APPLICAZIONE CALZATURIERA
Community Identification N° 0465

grants:

EC TYPE-EXAMINATION CERTIFICATE
MODULE B – EC TYPE-EXAMINATION
N° 0161/19974/13

for the following model of Personal Protective Equipment for II category:

Ankle boots art. "2-261-7M PU-PU"

Manufacturer (see notes):

YAHTING LLC

Traktorostroiteley Avenue, 121
428003 Cheboksary RU

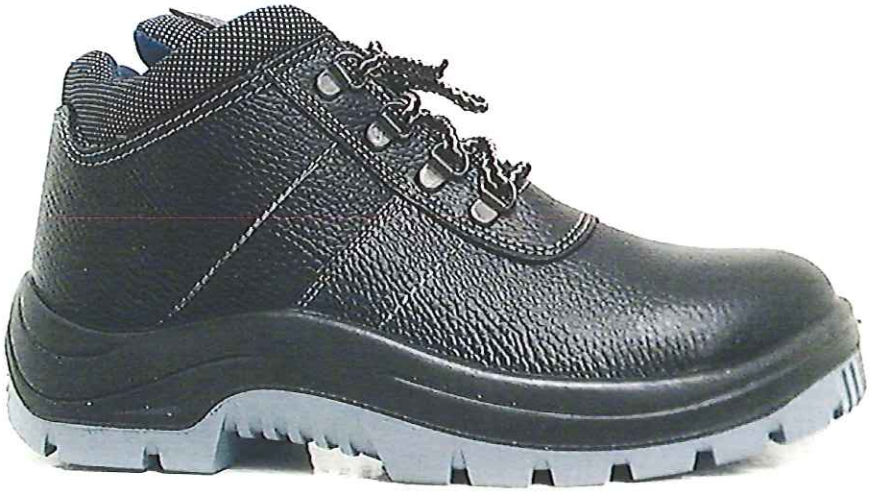
Vigevano, 02/04/2013

Responsible of EC certification of footwear
Pietro Biglia

Technical Responsible of the Centre
Giuseppe Bellotti

1. Description of personal protective equipment:

PPE Category: second category
Type of PPE: safety footwear for professional use according to EN ISO 20345:2011 standard
Design: B - Ankle boot
Classification: I - Footwear made from leather and other materials, excluding all-rubber or all-polymeric footwear
Size range: from 40 to 46 (French size)
Identification of last: Esjot
Manufacturing process: Injection
The footwear has a: metallic toecap cod. "1537 1538 1539 1581"
metallic penetration-resistant insert cod. "1343"
removable insock cod. "1137 - 7106"



2. The tests and the examinations to verify the conformity of the article (in compliance with art. 10 of Directive 89/686/EEC – Decision 768/08/EC Module B) are performed applying the following harmonized standards and the Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations:

- EN ISO 20344:2011 – Personal protective equipment – Test methods for footwear.
- EN ISO 20345:2011 – Personal protective equipment – Safety footwear.
- EN 12568:2010 – Foot and leg protectors – Requirements and test methods for toecaps and penetration resistant inserts.

3. The results of tests and examinations are contained in the following test reports:

C.I.M.A.C.	RP 2013\0726-1-RP-2	dated	02/04/2013
C.I.M.A.C.	RP 2013\0726-1-RP-3	dated	02/04/2013
C.I.M.A.C.	RP 2013\0726-1-RP-4	dated	02/04/2013

4. Requirements of the personal protective equipment:

The ankle boots art. "2-261-7M PU-PU" complies with:

the basic requirements for safety footwear specified in table 2 of EN ISO 20345:2011 standard;

the additional requirements for special applications specified in table 18 of EN ISO 20345:2011 standard:
(Category S1–P)

- heel area closed;
- antistatic properties;
- energy absorption of seat region;
- penetration resistance of sole complex;
- fuel oil resistant outsole;
- cleated outsole.

The shoe complies whit what prescribed by EN ISO 20345:2011 standard concerning the slip-resistance of the outsole, "SRA" requirement.

The leather and/or textile components of the footwear comply with what prescribed by the Regulation 1907/2006/ECAnnex XVII and subsequent amendments and integrations relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants).

The metallic components coming into direct and prolonged contact with the foot comply with what prescribed by the Regulation 1907/2006/ECAnnex XVII and subsequent amendments and integrations relating to the release of nickel.

5. Marking of the personal protective equipment:

The following information must be reported on the footwear in a durably and indelibly marked:

- the "CE" mark
- date of manufacture (month and year)
- manufacturer's type designation: 2-261-7M PU-PU
- the number and year of the reference European standard: EN ISO 20345:2011 (see notes)
- the symbols appropriate to the protection provided: S1–P–SRA (see notes)
- manufacturer's identification mark: "Yahting LLC"
- size.

6. Notes:

- The manufacturer is the one assuming the responsibility of design and fabrication of a product included in the Directive, in order to throw it in the market.
- The marking for the number and year of the reference European standard and the symbols appropriate to the protection provided should be adjacent to one another.
- This EC Type-Examination Certificate must be kept by the manufacturer, in order to produce it, on request, for the control body or safety control administration.
- The content of this EC Type-Examination Certificate is referred to the tested personal protective equipment only.
- This EC Type-Examination Certificate may be integrally duplicated; the copy must be faithful, legible (if pint size) and must contain the bold caption "TRUE COPY".
- The manufacturer should inform ANCI Servizi srl – Sezione CIMAC for any modification to the product, to the place/process of manufacturing and, if relevant (III category PPE), to the quality system if this compromises the conformity of the product to the essential requirements or other provisions of the Directive 89/686/EEC.
- The manufacturer should report all the complaints relating to the conformity of the certified product to the requirements of the reference harmonized standards and supply these reports on request of ANCI Servizi srl – Sezione CIMAC.
- The manufacturer should implement appropriate corrective actions when nonconforming product to the essential requirements of the EC certification are identified.

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ACCREDIA
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LAB N° 0005

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YAHTING LLC

Traktorostroiteley Avenue, 121
428003 Cheboksary RU

TEST REPORT: RP 2013/0726-1-RP-2 of 02/04/2013

DATE OF RECEIVING OF THE SAMPLE: 14/03/2013

SAMPLE RECEIVED FOR TESTING:

Ankle boots art. "2-261-7M PU-PU"

TEST REQUESTED:

Determination of the characteristics according to EN ISO 20345:2011 - Table 2 - Basic requirements for safety footwear

EMISSIONE	P. BIGLIA	S. MILANESI
OGGETTO	RESPONSABILE LAB. FISICO MECCANICO	RESPONSABILE LAB. ANALISI CHIMICHE

Physic-mechanical laboratory and chemical analysis
Tests carried out from 14.03.13 to 02.04.13

Determination of the basic requirements of safety footwear according to Table 2 of EN ISO 20345:2011 standard classification I (Footwear made from leather and other materials excluding all-rubber or all-polymeric footwear).

References to test registers: from SS/ 04800 to SS/ 04835
from TS/ 00475 to TS/ 00477

WHOLE FOOTWEAR			
Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.2.1	Design:	B – Ankle boot	
5.2.2	Height of upper:	size 40 = 108 mm size 43 = 110 mm size 46 = 113 mm	≥ 109 mm ≥ 117 mm ≥ 121 mm
5.2.3	Seat region:	The seat region is closed.	The seat region shall be closed.
5.3.1.1	Construction:	An insole is present in the footwear in such a way that it cannot be removed without damaging the footwear itself.	When used an insole shall be present in such a way that it cannot be removed without damaging the footwear.
5.3.1.2	Upper/outsole bond strength:	size 40 = 4,2 N/mm (*) size 43 = 4,2 N/mm (*) size 46 = 4,2 N/mm (*) (*) = with tearing of the sole.	≥ 4,0 N/mm ≥ 3,0 N/mm with tearing of the sole. Not applicable to stitched soles.

5.3.2 5.3.2.1	Toe protection. General:	Toecaps are incorporated in the footwear in such a manner that they cannot be removed without damaging the footwear. The toecaps have an edge covering extending from the back edge of the toecap to at least 5 mm beneath it and at least 10 mm in the opposite direction. Thickness of the scuff resistant covering for the toe region = 1,0 mm	Toecaps shall be incorporated in the footwear in such a manner that they cannot be removed without damaging the footwear. The toecaps shall have an edge covering extending from the back edge of the toecap to at least 5 mm beneath it and at least 10 mm in the opposite direction. Scuff resistant coverings for the toe region shall be not less than 1 mm in thickness.	
5.3.2.2	Internal length of toecaps:	size 40 R (1443 -8R) = 40,0 mm size 40 L (1443 - 8L) = 40,0 mm size 43 R (1443 - 9R) = 42,0 mm size 43 L (1443 - 9L) = 42,0 mm size 46 R (1443 - 11R) = 44,0 mm size 46 L (1443 - 11L) = 44,0 mm	Size: ≤ 36 37-38 39-40 41-42 43-44 ≥ 45	Length: ≥ 34mm ≥ 36mm ≥ 38mm ≥ 39mm ≥ 40mm ≥ 42mm
5.3.2.3	Impact resistance. Minimum clearance after impact:	size 40 Dx = 14,5 mm size 40 Sx = 14,5 mm size 43 Dx = 15,5 mm size 43 Sx = 15,5 mm size 46 Dx = 16,5 mm size 46 Sx = 17,0 mm	Size: ≤ 36 37-38 39-40 41-42 43-44 ≥ 45	Clear.: ≥ 12,5mm ≥ 13,0mm ≥ 13,5mm ≥ 14,0mm ≥ 14,5mm ≥ 15,0mm
5.3.2.4	Compression resistance. Minimum clearance after compression:	size 40 Dx = 13,5 mm size 40 Sx = 13,5 mm size 43 Dx = 15,0 mm size 43 Sx = 15,0 mm size 46 Dx = 16,0 mm size 46 Sx = 16,0 mm	Size: ≤ 36 37-38 39-40 41-42 43-44 ≥ 45	Clear.: ≥ 12,5mm ≥ 13,0mm ≥ 13,5mm ≥ 14,0mm ≥ 14,5mm ≥ 15,0mm

5.3.2.5	Behaviour of metallic toecaps:	At the end of the test, the metallic toecaps exhibit no areas of corrosion.	At the end of the test, the metallic toecaps shall exhibit no more than 3 areas of corrosion, none of which shall measure than 2 mm in any direction.
5.3.4	Specific ergonomic features:	1- Is the inside surface of the footwear free from rough, sharp or hard areas that caused you irritation or injury? size 40 R = YES size 40 L = YES size 43 R = YES size 43 L = YES size 46 R = YES size 46 L = YES	YES
		2- Is the footwear free of features that you consider to make wearing the footwear hazardous? size 40 R = YES size 40 L = YES size 43 R = YES size 43 L = YES size 46 R = YES size 46 L = YES	YES
		3- Can the fastening be adequately adjusted? size 40 R = YES size 40 L = YES size 43 R = YES size 43 L = YES size 46 R = YES size 46 L = YES	YES

		4- Can the following activities be performed without problems: - walking? size 40 R = YES size 40 L = YES size 43 R = YES size 43 L = YES size 46 R = YES size 46 L = YES	YES
		- climbing stairs? size 40 R = YES size 40 L = YES size 43 R = YES size 43 L = YES size 46 R = YES size 46 L = YES	YES
		- kneeling/crouching down? size 40 R = YES size 40 L = YES size 43 R = YES size 43 L = YES size 46 R = YES size 46 L = YES	YES

UPPER
(leather – cod. 7132)

Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.4.1	Minimum height below which the upper requirements shall be completely fulfilled:	size 40 = 72 mm size 43 = 76 mm size 46 = 78 mm	≥ 68 mm ≥ 72 mm ≥ 73 mm
5.4.3	Tear strength:	size 40 = 188 N size 43 = 188 N size 46 = 188 N	Leather ≥ 120N Coated fabric and textile ≥ 60N
5.4.4	Tensile properties:	N/A	Split leather ≥ 15 N/mm^2

5.4.6	Water vapour permeability: Coefficient:	size 40 = 3,5 mg/(cm²h) size 43 = 3,5 mg/(cm²h) size 46 = 3,5 mg/(cm²h) size 40 = 32,2 mg/cm² size 43 = 32,2 mg/cm² size 46 = 32,2 mg/cm²	≥ 0,8 mg/(cm²h) ≥ 15,0 mg/cm²
5.4.7	pH value: Difference figure:	4,50 N/A	pH value ≥ 3,20, if < 4,00 difference figure < 0,70. Applicable to leather only.
5.4.9 EN ISO 17075:2007	Chromium VI content:	No detectable. (*) (*) = lower than the detectability limit (3 mg/kg).	No detectable. Applicable to leather only.
VAMP LINING (nonwoven fabric - cod. 2362)			
Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.5.1	Tear strength:	size 40 = 18 N size 43 = 18 N size 46 = 18 N	Leather ≥ 30N Coated fabric and textile ≥ 15N
5.5.2	Abrasion resistance:	- Dry: After 25.600 cycles, the wearing surface develops no holes. - Wet: After 12.800 cycles, the wearing surface develops no holes.	The wearing surface shall not develop any holes before 25.600 cycles dry and 12.800 cycles wet.
5.5.3	Water vapour permeability: Coefficient:	size 40 = 4,6 mg/(cm²h) size 43 = 4,6 mg/(cm²h) size 46 = 4,6 mg/(cm²h) size 40 = 38,8 mg/cm² size 43 = 38,8 mg/cm² size 46 = 38,8 mg/cm²	≥ 2,0 mg/(cm²h) ≥ 20,0 mg/cm²
5.5.4	pH value: Difference figure:	N/A	pH value ≥ 3,20, if < 4,00 difference figure < 0,70. Applicable to leather only.

5.5.5	Chromium VI content:		No detectable. Applicable to leather only.
QUARTER LINING (textile - cod. 7106)			
Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.5.1	Tear strength:	size 40 = 21 N size 43 = 21 N size 46 = 21 N	Leather ≥ 30N Coated fabric and textile ≥ 15N
5.5.2	Abrasion resistance:	- Dry: After 25.600 cycles, the wearing surface develops no holes. - Wet: After 12.800 cycles, the wearing surface develops no holes.	The wearing surface shall not develop any holes before 25.600 cycles dry and 12.800 cycles wet.
5.5.3	Water vapour permeability: Coefficient:	size 40 = 4,2 mg/(cm^{2}h) size 43 = 4,2 mg/(cm^{2}h) size 46 = 4,2 mg/(cm^{2}h) size 40 = 34,9 mg/cm^2 size 43 = 34,9 mg/cm^2 size 46 = 34,9 mg/cm^2	≥ 2,0 mg/(cm^{2}h) ≥ 20,0 mg/cm^2
5.5.4	pH value: Difference figure:	N/A	pH value ≥ 3,20, if < 4,00 difference figure < 0,70. Applicable to leather only.
5.5.5	Chromium VI content:	N/A	No detectable. Applicable to leather only.
SEAT REGION LINING (textile - cod. 7106)			
Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.5.1	Tear strength:	size 40 = 21 N size 43 = 21 N size 46 = 21 N	Leather ≥ 30N Coated fabric and textile ≥ 15N

5.5.2	Abrasion resistance:	- Dry: After 51.200 cycles, the wearing surface develops no holes. - Wet: After 25.600 cycles, the wearing surface develops no holes.	The wearing surface shall not develop any holes before 51.200 cycles dry and 25.600 cycles wet.
5.5.3	Water vapour permeability: Coefficient:	size 40 = 4,2 mg/(cm^{2}h) size 43 = 4,2 mg/(cm^{2}h) size 46 = 4,2 mg/(cm^{2}h) size 40 = 34,9 mg/cm^2 size 43 = 34,9 mg/cm^2 size 46 = 34,9 mg/cm^2	≥ 2,0 mg/(cm^{2}h) ≥ 20,0 mg/cm^2
5.5.4	pH value: Difference figure:	N/A	pH value ≥ 3,20, if < 4,00 difference figure < 0,70. Applicable to leather only.
5.5.5	Chromium VI content:	N/A	No detectable. Applicable to leather only.
TONGUE (leather – cod. 1164)			
Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.6.1	Tear strength:	size 40 = 48 N size 43 = 48 N size 46 = 48 N	Leather ≥ 36N Coated fabric and textile ≥ 18N
5.6.2	pH value: Difference figure:	4,70 N/A	pH value ≥ 3,20, if < 4,00 difference figure < 0,70. Applicable to leather only.
5.6.3 EN ISO 17075:2007	Chromium VI content:	No detectable. (*) (*) = lower than the detectability limit (3 mg/kg).	No detectable. Applicable to leather only.

COLLAR (textile – cod. 4628)			
Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.5.1	Tear strength:	size 40 = 55 N size 43 = 55 N size 46 = 55 N	Leather ≥ 30N Coated fabric and textile ≥ 15N
5.5.2	Abrasion resistance:	- Dry: After 25.600 cycles, the wearing surface develops no holes. - Wet: After 12.800 cycles, the wearing surface develops no holes.	The wearing surface shall not develop any holes before 25.600 cycles dry and 12.800 cycles wet.
5.4.7	pH value: Difference figure:	N/A	pH value ≥ 3,20, if < 4,00 difference figure < 0,70. Applicable to leather only.
5.4.9	Chromium VI content:	N/A	Not detectable. Applicable to leather only.
INSOLE (nonwoven fabric - cod. 5480)			
Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.7.1	Thickness:	size 40 = 2,5 mm size 43 = 2,5 mm size 46 = 2,5 mm	≥ 2,0 mm
5.7.2	pH value: Difference figure:	N/A	pH value ≥ 3,20, if < 4,00 difference figure < 0,70. Applicable to leather only.
5.7.3	Water absorption: Water desorption:	size 40 = 78 mg/cm^2 size 43 = 78 mg/cm^2 size 46 = 78 mg/cm^2 size 40 = 90 % size 43 = 90 % size 46 = 90 %	≥ 70 mg/cm^2 ≥ 80 %

5.7.4.1	Abrasion resistance:	size 40 = the abrasion damage is not more severe than that illustrated by the reference test pieces for the same family. size 43 = the abrasion damage is not more severe than that illustrated by the reference test pieces for the same family. size 46 = the abrasion damage is not more severe than that illustrated by the reference test pieces for the same family.	The abrasion damage shall not be more severe than that illustrated by the reference test pieces for the same family. Not applicable to leather.
5.7.5	Chromium VI content:	N/A	No detectable. Applicable to leather only.

REMOVABLE INSOCK
(textile with cellulosic material - cod. 1137/7106)

Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.7.2	pH value: Difference figure:	N/A	pH value ≥ 3,20, if < 4,00 difference figure < 0,70. Applicable to leather only.
5.7.3	Water absorption: Water desorption:	size 40 = water permeable size 43 = water permeable size 46 = water permeable	≥ 70 mg/cm^2 or water permeable ≥ 80 %
5.7.4.2	Abrasion resistance:	- Dry: After 25.600 cycles, the wearing surface develops no holes. - Wet: After 12.800 cycles, the wearing surface develops no holes.	The wearing surface shall not develop any holes before 25.600 cycles dry and 12.800 cycles wet. Not applicable to leather.
5.7.5	Chromium VI content:	No detectable. (*) (*) = lower than the detectability limit (3 mg/kg).	No detectable. Applicable to leather only.

OUTSOLE
(polyurethane – cod. 4015/4016/4018/5930)

Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
5.8.1.1	Thickness:	N/A	≥ 6,0 mm at any point.

5.8.1.1	Thickness:	Thickness "d_1" size 40 = 4,5 mm Thickness "d_1" size 43 = 4,5 mm Thickness "d_1" size 46 = 4,5 mm	≥ 4,0 mm
5.8.1.2	Cleated area:	size 40 = the cleats of the outsole in the shaded area as shown in figure 38 of EN ISO 20344:2011 are opened to the side. size 43 = the cleats of the outsole in the shaded area as shown in figure 38 of EN ISO 20344:2011 are opened to the side. size 46 = the cleats of the outsole in the shaded area as shown in figure 38 of EN ISO 20344:2011 are opened to the side.	With the exception of the region under the flange of the toecap, at least the shaded area as shown in figure 38 shall have cleats which are open to the side.
5.8.1.3	Cleat height:	Cleat height "d_2" size 40 = 3,5 mm Cleat height "d_2" size 43 = 3,5 mm Cleat height "d_2" size 46 = 3,5 mm	≥ 2,5 mm
5.8.2	Tear strength:	size 40 = 10,5 kN/m Density size 40 = 1,15 g/cm^3 size 43 = 10,5 kN/m Density size 43 = 1,15 g/cm^3 size 46 = 10,5 kN/m Density size 46 = 1,15 g/cm^3	≥ 8 kN/m for density > 0,9 g/cm^3. ≥ 5 kN/m for density ≤ 0,9 g/cm^3. Not applicable to leather.
5.8.3	Abrasion resistance:	Relative volume loss size 40 = 105 mm^3 Density size 40 = 1,15 g/cm^3 Relative volume loss size 43 = 105 mm^3 Density size 43 = 1,15 g/cm^3 Relative volume loss size 46 = 105 mm^3 Density size 46 = 1,15 g/cm^3	≤ 150 mm^3 for density > 0,9 g/cm^3. ≤ 250 mm^3 for density ≤ 0,9 g/cm^3. Not applicable to leather.
5.8.4	Flexing resistance:	Cut growth size 40 = 2,0 mm Cut growth size 43 = 2,0 mm Cut growth size 46 = 2,0 mm	≤ 4,0 mm. Not applicable to leather.
5.8.5	Hydrolysis:	Cut growth size 40 = 2,5 mm Cut growth size 43 = 2,5 mm Cut growth size 46 = 2,5 mm	≤ 6,0 mm. Applicable to polyurethane only.
5.8.6	Interlayer bond strength:	size 40 = 3,4 N/mm (*) size 43 = 3,4 N/mm (*) size 46 = 3,4 N/mm (*) (*) = with tearing of the sole.	≥ 4,0 N/mm ≥ 3,0 N/mm with tearing of the sole.

Determination of slip resistance of safety footwear for professional use according to EN ISO 20344:2011 5.11 / EN ISO 13287:2012 standards.

Results:		Requirements of EN ISO 20345:2011
WHOLE FOOTWEAR		
"SRA" requirement:		
Coefficient of friction:	- Testing surface: pressed ceramic tile floor (Eurotile 2) - Lubricant: detergent solution - test mode: forward flat slip size 40 R = 0,32 size 40 L = 0,32 size 43 R = 0,33 size 43 L = 0,33 size 46 R = 0,33 size 46 L = 0,33	≥ 0,32
Coefficient of friction:	- Testing surface: pressed ceramic tile floor (Eurotile 2) - Lubricant: detergent solution - test mode: forward heel slip at angled contact (7°) size 40 R = 0,29 size 40 L = 0,29 size 43 R = 0,29 size 43 L = 0,29 size 46 R = 0,29 size 46 L = 0,29	≥ 0,28
"SRB" requirement:		
Coefficient of friction:	- Testing surface: stainless steel plate Number 1.4301, Type 2G (cold rolled, ground) - Lubricant: glycerine - test mode: forward flat slip size 40 R = 0,15 size 40 L = 0,15 size 43 R = 0,15 size 43 L = 0,15	≥ 0,18

	size 46 R = 0,15 size 46 L = 0,15	
Coefficient of friction:	- Testing surface: stainless steel plate Number 1.4301, Type 2G (cold rolled, ground) - Lubricant: glycerine - forward heel slip at angled contact (7°) size 40 R = 0,10 size 40 L = 0,10 size 43 R = 0,10 size 43 L = 0,10 size 46 R = 0,10 size 46 L = 0,10	≥ 0,13

* End of Test Report *

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YAHTING LLC

Traktorostroiteley Avenue, 121
428003 Cheboksary RU

TEST REPORT: RP 2013/0726-1-RP-3 of 02/04/2013 **Page 1 of 6**

DATE OF RECEIVING OF THE SAMPLE: 14/03/2013

SAMPLE RECEIVED FOR TESTING:

Ankle boots art. "2-261-7M PU-PU"

TEST REQUESTED:

Determination of the characteristics according to EN ISO 20345:2011 - Table 18 - Additional requirements for particular applications: S1 P

EMISSIONE	P. BIGLIA	S. MILANESI
OGGETTO	RESPONSABILE LAB. FISICO MECCANICO	RESPONSABILE LAB. ANALISI CHIMICHE

Physic-mechanical laboratory
Tests carried out from 14.03.13 to 02.04.13

Determination of the additional requirements of safety footwear according to Table 18 of EN ISO 20345:2011 standard classification I (Footwear made from leather and other materials excluding all-rubber or all-polymeric footwear).

References to test registers: from SS/ 04836 to SS/ 04843

WHOLE FOOTWEAR			
Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
6.2.1.1.1	Penetration resistance:	size 40 R = 1250 N – 1255 N – 1260 N – 1245 N size 40 L = 1265 N – 1250 N – 1240 N – 1250 N size 43 R = 1245 N – 1245 N – 1265 N – 1255 N size 43 L = 1260 N – 1240 N – 1250 N – 1255 N size 46 R = 1250 N – 1245 N – 1240 N – 1250 N size 46 L = 1245 N – 1255 N – 1255 N – 1260 N	≥ 1100 N

6.2.1.2	Construction:	size 40 R = the penetration-resistant insert is built into the bottom of the shoe in such a manner that it cannot be removed without damaging the footwear. The insert does not lie above the flange of the safety or protective toecap and is not attached to it. size 40 L = the penetration-resistant insert is built into the bottom of the shoe in such a manner that it cannot be removed without damaging the footwear. The insert does not lie above the flange of the safety or protective toecap and is not attached to it. size 43 R = the penetration-resistant insert is built into the bottom of the shoe in such a manner that it cannot be removed without damaging the footwear. The insert does not lie above the flange of the safety or protective toecap and is not attached to it. size 43 L = the penetration-resistant insert is built into the bottom of the shoe in such a manner that it cannot be removed without damaging the footwear. The insert does not lie above the flange of the safety or protective toecap and is not attached to it. size 46 R = the penetration-resistant insert is built into the bottom of the shoe in such a manner that it cannot be removed without damaging the footwear. The insert does not lie above the flange of the safety or protective toecap and is not attached to it. size 46 L = the penetration-resistant insert is built into the bottom of the shoe in such a manner that it cannot be removed without damaging the footwear. The insert does not lie above the flange of the safety or protective toecap and is not attached to it.	The penetration-resistant insert shall be built into the bottom of the shoe in such a manner that it cannot be removed without damaging the footwear. The insert shall not lie above the flange of the safety or protective toecap and shall not be attached to it. If the non-metallic insert having the function of an insole simultaneously these requirements are not applied.

6.2.1.3	Dimensions:	size 40 R = the penetration-resistant insert is of such a size that, with the exception of the heel region, the distance between the line represented by the feather edge of the last and the edge of the insert (X) is ≤ 6,5 mm. In the heel region the distance between the line represented by the feather edge of the last and the insert (Y) is ≤ 17 mm. The penetration-resistant insert has no holes. size 40 L = the penetration-resistant insert is of such a size that, with the exception of the heel region, the distance between the line represented by the feather edge of the last and the edge of the insert (X) is ≤ 6,5 mm. In the heel region the distance between the line represented by the feather edge of the last and the insert (Y) is ≤ 17 mm. The penetration-resistant insert has no holes. size 43 R = the penetration-resistant insert is of such a size that, with the exception of the heel region, the distance between the line represented by the feather edge of the last and the edge of the insert (X) is ≤ 6,5 mm. In the heel region the distance between the line represented by the feather edge of the last and the insert (Y) is ≤ 17 mm. The penetration-resistant insert has no holes. size 43 L = the penetration-resistant insert is of such a size that, with the exception of the heel region, the distance between the line represented by the feather edge of the last and the edge of the insert (X) is ≤ 6,5 mm. In the heel region the distance between the line represented by the feather edge of the last and the insert (Y) is ≤ 17 mm. The penetration-resistant insert has no holes. size 46 R = the penetration-resistant insert is of such a size that, with the exception of the heel region, the distance between the line represented by the feather edge of the last and the edge of the insert (X) is ≤ 6,5 mm. In the heel region the distance between the line represented by the feather edge of the last and the insert (Y) is ≤ 17 mm. The penetration-resistant insert has no holes. size 46 L = the penetration-resistant insert is of such a size that, with the exception of the heel region, the distance between the line represented by the feather edge of the last and the edge of the insert (X) is ≤ 6,5 mm. In the heel region the distance between the line represented by the feather edge of the last and the insert (Y) is ≤ 17 mm. The penetration-resistant insert has no holes.	The penetration-resistant insert shall be of such a size that, with the exception of the heel region, the maximum distance between the line represented by the feather edge of the last and the edge of the insert (X) is 6,5 mm. In the heel region the maximum distance between the line represented by the feather edge of the last and the insert (Y) shall be 17 mm (see figure 4). The penetration-resistant insert shall have no more than three holes of maximum diameter 3 mm to attach it to the bottom of the footwear.

6.2.1.4	Flex resistance of penetration-resistant insert:	size 40 R = after $1x10^6$ flexes, the penetration-resistant insert shows no visible signs of cracking. size 40 L = after $1x10^6$ flexes, the penetration-resistant insert shows no visible signs of cracking. size 43 R = after $1x10^6$ flexes, the penetration-resistant insert shows no visible signs of cracking. size 43 L = after $1x10^6$ flexes, the penetration-resistant insert shows no visible signs of cracking. size 46 R = after $1x10^6$ flexes, the penetration-resistant insert shows no visible signs of cracking. size 46 L = after $1x10^6$ flexes, the penetration-resistant insert shows no visible signs of cracking.		After $1x10^6$ flexes, penetration-resistant inserts shall show no visible signs of cracking.
6.2.1.5.2	Corrosion resistance of non-metallic penetration-resistant insert:	Non-metallic penetration-resistant insert comply with the requirements of EN 12568:2010, 6.4.		Non-metallic penetration-resistant insert shall comply with the requirements of EN 12568:2010, 6.4.
6.2.2.2	Antistatic footwear:	Dry: size 40 R = $7,95 x10^7 \Omega$ size 40 L = $7,95 x10^7 \Omega$ size 43 R = $7,90 x10^7 \Omega$ size 43 L = $7,90 x10^7 \Omega$ size 46 R = $7,95 x10^7 \Omega$ size 46 L = $7,95 x10^7 \Omega$	Wet: size 40 R = $2,40 x10^7 \Omega$ size 40 L = $2,40 x10^7 \Omega$ size 43 R = $2,45 x10^7 \Omega$ size 43 L = $2,45 x10^7 \Omega$ size 46 R = $2,40 x10^7 \Omega$ size 46 L = $2,40 x10^7 \Omega$	The electrical resistance shall be above 100 kΩ and less than or equal to 1.000 MΩ (i.e. between $1,00x10^5 \Omega$ and $1,00x10^9 \Omega$).
6.2.4	Energy absorption of seat region:	size 40 R = 30 J size 40 L = 30 J size 43 R = 31 J size 43 L = 31 J size 46 R = 33 J size 46 L = 33 J		≥ 20 J

OUTSOLE			
Clauses of EN ISO 20345:2011		Results:	Requirements of EN ISO 20345:2011
6.4.2	Resistance to fuel oil:	Increase in volume size 40 = 1,2 % Increase in volume size 43 = 1,2 % Increase in volume size 46 = 1,2 %	≤ 12 %

* End of Test Report *

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TEST REPORT: RP 2013/0726-1-RP-4 of 02/04/2013 **Page 1 of 4**

DATE OF RECEIVING OF THE SAMPLE: 14/03/2013

SAMPLE RECEIVED FOR TESTING:

Ankle boots art. "2-261-7M PU-PU"

TEST REQUESTED:

Determination of innocuousness characteristics according to Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations

EMISSIONE	P. BIGLIA	S. MILANESI
OGGETTO	RESPONSABILE LAB. FISICO MECCANICO	RESPONSABILE LAB. ANALISI CHIMICHE

Il campionamento del materiale ricevuto da esaminare, se non diversamente indicato, è stato effettuato dal cliente.

Il residuo del campione analizzato si conserva per tre mesi.

Il Rapporto di Prova non ha validità di approvazione e/o certificazione del campione esaminato.

Il marchio ACCREDIA e/o l'Accreditamento del CIMAC non possono essere utilizzati nella documentazione di prodotto, a meno che non venga riportata copia integrale, fedele, leggibile del rapporto di prova contenente la dicitura in grassetto "Copia Conforme all'Originale".

Il CIMAC è accreditato da ACCREDIA con numero di Accreditamento 0005. Per le prove accreditate il ACCREDIA garantisce la competenza del personale, la disponibilità di strumentazione e la conformità delle procedure di prova alla norma/procedura richiamata.

Il contenuto del presente Rapporto di Prova si riferisce unicamente al campione sottoposto a prova.

Le prove riportate nel presente Rapporto di Prova contrassegnate dalla dicitura "Non accreditate da ACCREDIA" non rientrano nell'Accreditamento.

Chemical analysis
Tests carried out from 14.03.13 to 02.04.13

Determination of innocuousness characteristics according to Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations.

References to test registers: from TS/ 00478 to TS/ 00490

UPPER (leather – cod. 7132)
Test method: CEN ISO/TS 17234 (03) – Tests on leather. Chemical analysis – Determination of certain azodyes in leather. -High performance liquid chromatography HPLC - Gas chromatography detection Results: In the conditions described in the tests carried out, no azodyes banned by the Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants) have been determined in this article.
VAMP LINING (nonwoven fabric - cod. 2362)
Test method: UNI EN 14362-1 (04) – Tests on textiles - Test method for the determination of certain aromatic ammines deriving from azodyes. -High performance liquid chromatography HPLC - Gas chromatography detection Results: In the conditions described in the tests carried out, no azodyes banned by the Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants) have been determined in this article.
QUARTER LINING (textile - cod. 7106)
Test method: UNI EN 14362-1 (04) – Tests on textiles - Test method for the determination of certain aromatic ammines deriving from azodyes. -High performance liquid chromatography HPLC - Gas chromatography detection Results: In the conditions described in the tests carried out, no azodyes banned by the Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants) have been determined in this article.

TONGUE (leather – cod. 1164)
Test method: CEN ISO/TS 17234 (03) – Tests on leather. Chemical analysis – Determination of certain azodyes in leather. -High performance liquid chromatography HPLC - Gas chromatography detection Results: In the conditions described in the tests carried out, no azodyes banned by the Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants) have been determined in this article.
COLLAR (textile – cod. 4628)
Test method: UNI EN 14362-1 (04) – Tests on textiles - Test method for the determination of certain aromatic ammines deriving from azodyes. -High performance liquid chromatography HPLC - Gas chromatography detection Results: In the conditions described in the tests carried out, no azodyes banned by the Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants) have been determined in this article.
INSOLE (nonwoven fabric - cod. 5480)
Test method: UNI EN 14362-1 (04) – Tests on textiles - Test method for the determination of certain aromatic ammines deriving from azodyes. -High performance liquid chromatography HPLC - Gas chromatography detection Results: In the conditions described in the tests carried out, no azodyes banned by the Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants) have been determined in this article.
REMOVABLE INSOCK (textile with cellulosic material - cod. 1137/7106)
Test method: UNI EN 14362-1 (04) – Tests on textiles - Test method for the determination of certain aromatic ammines deriving from azodyes. -High performance liquid chromatography HPLC - Gas chromatography detection Results: In the conditions described in the tests carried out, no azodyes banned by the Regulation 1907/2006/EC Annex XVII and subsequent amendments and integrations relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants) have been determined in this article.

METAL COMPONENTS
Method: UNI EN 1811 (00) – Test reference to the release of nickel from articles that are in direct and prolonged contact with the skin. Results: Released less than nickel 0,5 μg/cm^2/ Week.

* End of Test Report *