

TEST REPORT 23-2927.19



FINAL CLIENT

Date in sample: 11-09-2023
Start: 03-01-2024
End: 19-01-2024
FINAL EVALUATION
PASS

TALANLEGPROM LTD
SAKSAGANSKOGO 77
KIEV 01033

Sample description:	Safety footwear art. KPU(blue)/2C0170(blue) – Seat region lining cod. Vela Technologies srl. (col. blue)
Received sizes:	37 42 46



This report is composed by 6 pages:

from 1 to 2 for the Summary
from 1a to 2a for the Report 23-2927.19a
from 1b to 2b for the Report 23-2927.19b



SAMPLE DESCRIPTION

Safety footwear art. KPU(blue)/2C0170(blue) – Seat region lining cod. Vela Technologies srl. (col. blue)

REQUIRED TESTS

<p>ISO 20344:2011, EN ISO 20344:2011, UNI EN ISO 20344:2012 + EC 1-2018, SASO ISO 20344:2014 – Personal protective equipment - Test methods for footwear <i>EN ISO 20345:2011, EN ISO 20347:2012</i></p>	PASS
<p>ISO 20344:2011 + ISO 3377-2:2016, EN ISO 20344:2011 + ISO 3377-2:2016, UNI EN ISO 20344:2012 + EC 1-2018 + ISO 3377-2:2016, SASO ISO 20344:2014 + ISO 3377-2:2016 – Personal protective equipment - Test methods for footwear <i>EN ISO 20345:2011, EN ISO 20347:2012</i></p>	NOT APPLICABLE
<p>ISO 20344:2011 + ISO 4674-1:2003 (MET. B), EN ISO 20344:2011 + ISO 4674-1:2003 (MET. B), UNI EN ISO 20344:2012 + EC 1-2018 + EN ISO 4674-1:2003 (MET. B), SASO ISO 20344:2014 + ISO 4674-1:2003 (MET. B) – Personal protective equipment - Test methods for footwear <i>EN ISO 20345:2011, EN ISO 20347:2012</i></p>	PASS
<p>UNI EN ISO 20345:2012 + ISO/TR 16178:2010 + UNI EN ISO 14362-1:2017 + UNI EN ISO 14362-3:2017 – Textiles - Methods for Determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres +Textiles - Methods for Determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene <i>Regulation (EC) No. 1907/2006 on REACH Annex XVII</i></p>	PASS

(#) The uncertainty values reported in the Test Report refer to the tests for which it was possible to evaluate the uncertainty of the results. Extended uncertainty of the test method for a coverage factor $k=2$ corresponding, in the case of normal distribution, to a confidence level of 95,45%. If the measured value is <LOQ the uncertainty is not specified.


CIMAC applies the binary decision rule with guard band ($w = U$) for the statements of conformity to specific requirements indicated in the Test Report. Therefore, CIMAC will take into account the value of the expanded measurement uncertainty.

The following terms and conditions apply in addition to CIMAC's general terms and conditions attached to the Proposal and Quotation.

Please note:

- The content of this Test Report refers only to the sample tested, as received.
- Description and name of the sample are data provided by the Customer for which CIMAC declines all responsibility.
- The sampling of the material received to be analyzed was carried out by the Customer unless otherwise indicated, except for testing activities related to conformity assessment Module C2 for which the sampling was carried out by the Notified Body A.N.C.I. SERVIZI SRL.
- The tests reported in this Test Report marked with the words "Not accredited by ACCREDIA" are not part of the Accreditation.
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- This Test Report has no validity of approval and / or certification of the analyzed sample and cannot be partially reproduced without written authorization from CIMAC.
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- For the accredited tests, ACCREDIA guarantees the competence of the personnel, the availability of instrumentation and the conformity of the test procedures to the standard / procedure referred to.
- Where a translation of this Test Report exists, the Italian language version shall be considered as the authoritative text.


 Chemical Laboratory Manager
 Alfio Sofia


 Technological Laboratory Manager
 Andrea Boggio Marzet


 Operations Manager
 Pietro Biglia

23-2927.19a

date: 19-01-24



Started on: 03-01-2024
Completed on: 19-01-2024

CLIENT
TALANLEGPROM LTD

SAMPLE DESCRIPTION

Safety footwear art. KPU(blue)/2C0170(blue) – Seat region lining cod. Vela Technologies srl. (col. blue)

ISO 20344:2011, EN ISO 20344:2011, UNI EN ISO 20344:2012 + EC 1-2018, SASO ISO 20344:2014 – Personal protective equipment - Test methods for footwear

6.6 + 6.7 + 6.8 - Personal protective equipment - Test methods for footwear - Determination to water vapour permeability and coefficient

:: Seat region lining cod. Vela Technologies srl. (col. blue)

	size	=		uncertainty [#]	requirements	
Water vapour permeability:	37	=	24,7	± 3,6 mg/(cm ² h)	≥ 2,0 mg/(cm ² h)	PASS
	42	=	24,6	± 3,6 mg/(cm ² h)	≥ 2,0 mg/(cm ² h)	PASS
	46	=	24,8	± 3,6 mg/(cm ² h)	≥ 2,0 mg/(cm ² h)	PASS
Coefficient:	37	=	197,8	mg/cm ²	≥ 20,0 mg/cm ²	PASS
	42	=	196,9	mg/cm ²	≥ 20,0 mg/cm ²	PASS
	46	=	198,5	mg/cm ²	≥ 20,0 mg/cm ²	PASS

Requirements: EN ISO 20345:2011, EN ISO 20347:2012 – 5.5.3

6.12 - Personal protective equipment - Test methods for footwear - Determination of abrasion resistance of lining and insock

:: Seat region lining cod. Vela Technologies srl. (col. blue)

			requirements	
Abrasion resistance:	- Dry:	COMPLIES	After 51.200 cycles, the wearing surface develops no holes	PASS
	- Wet:	COMPLIES	After 25.600 cycles, the wearing surface develops no holes	PASS

Requirements: EN ISO 20345:2011, EN ISO 20347:2012 – 5.5.2

ISO 20344:2011 + ISO 3377-2:2016, EN ISO 20344:2011 + ISO 3377-2:2016, UNI EN ISO 20344:2012 + EC 1-2018 + ISO 3377-2:2016, SASO ISO 20344:2014 + ISO 3377-2:2016 – Personal protective equipment - Test methods for footwear

6.3 - Personal protective equipment - Test methods for footwear - Determination of tear strength of the upper, lining and/or tongue - leather

:: Seat region lining cod. Vela Technologies srl. (col. blue)

NOT APPLICABLE

Requirements: EN ISO 20345:2011, EN ISO 20347:2012 – 5.5.1

ISO 20344:2011 + ISO 4674-1:2003 (MET. B), EN ISO 20344:2011 + ISO 4674-1:2003 (MET. B), UNI EN ISO 20344:2012 + EC 1-2018 + EN ISO 4674-1:2003 (MET. B), SASO ISO 20344:2014 + ISO 4674-1:2003 (MET. B) – Personal protective equipment - Test methods for footwear

6.3 - Personal protective equipment - Test methods for footwear - Determination of tear strength of the upper, lining and/or tongue - coated fabric and textile

:: Seat region lining cod. Vela Technologies srl. (col. blue)

			uncertainty [#]	requirements		
Tear strength (coated fabric and textile):	size 37	=	71	± 20 N	≥ 15 N	PASS
	size 42	=	72	± 20 N	≥ 15 N	PASS
	size 46	=	72	± 20 N	≥ 15 N	PASS

Requirements: EN ISO 20345:2011, EN ISO 20347:2012 – 5.5.1

23-2927.19b

date: 18-01-24



Started on: 12-01-2024
Completed on: 18-01-2024

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Safety footwear art. KPU(blue)/2C0170(blue) – Seat region lining cod. Vela Technologies srl. (col. blue)

UNI EN ISO 20345:2012 + ISO/TR 16178:2010 + UNI EN ISO 14362-1:2017 + UNI EN ISO 14362-3:2017 – Textiles - Methods for Determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres +Textiles - Methods for Determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene

Methods for Determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres +Methods for Determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene

Reference: Regulation (EC) No. 1907/2006 on REACH Annex XVII

:: Seat region lining cod. Vela Technologies srl. (col. blue)

	CAS number	results	u.m.	requirements		
4-Aminodiphenyl	92-67-1	<5	mg/kg	<30	PASS	
Benzidine	92-87-5	<5	mg/kg	<30	PASS	
4-Chloro-O-Toluidine	95-69-2	<5	mg/kg	<30	PASS	
2-Naphthylamine	91-59-8	<5	mg/kg	<30	PASS	
o-Aminoazotoluene	97-56-3	<5	mg/kg	<30	PASS	
2-Amino-4-Nitrotoluene	99-55-8	<5	mg/kg	<30	PASS	
3,3'-Dichlorobenzidine	91-94-1	<5	mg/kg	<30	PASS	
3,3'-Dimethyl-4,4'-Diaminodiphenylmethane	838-88-0	<5	mg/kg	<30	PASS	
p-Cresidine	120-71-8	<5	mg/kg	<30	PASS	
4,4'-Methylene-Bis-(2-Chloroaniline)	101-14-4	<5	mg/kg	<30	PASS	
4,4'-Thiodianiline	139-65-1	<5	mg/kg	<30	PASS	
o-Toluidine	95-53-4	<5	mg/kg	<30	PASS	
2,4-Toluylenediamine	95-80-7	<5	mg/kg	<30	PASS	
2,4,5-Trimethylaniline	137-17-7	<5	mg/kg	<30	PASS	
o-Anisidine	90-04-0	<5	mg/kg	<30	PASS	
p-Chloroaniline	106-47-8	<5	mg/kg	<30	PASS	
4-Aminoazobenzene	60-09-3	<5	mg/kg	<30	PASS	
2,4-Diaminoanisole	615-05-4	<5	mg/kg	<30	PASS	
4,4'-Diaminodiphenylmethane	101-77-9	<5	mg/kg	<30	PASS	
4,4'-Oxydianiline	101-80-4	<5	mg/kg	<30	PASS	
3,3'-Dimethoxybenzidine	119-90-4	<5	mg/kg	<30	PASS	

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date: 18-01-24

3,3'-Dimethylbenzidine

119-93-7

<5

mg/kg

<30

PASS

Uncertainty: result < 40 mg/kg - U = ± 5