

TEST REPORT

Report No.: 66.430.24.3386.01

Dated: 2025-03-12



中国认可
国际互认
检测
TESTING
CNAS L7038



Applicant: TRECK S.A
Address: Av. Santa Rosa 5220, San Joaquín, Santiago, Chile
Contact Person: María Fernanda Larraín

Sample Submitted: The Sample(s) and Its (Their) Information(s) Was (Were) Submitted by Applicant and Identified.
A. Fluorescent Orange-Red/Navy jackets (the whole garments) - size S/ size L - 1 piece/6 pieces
B. Fluorescent Orange-Red/Navy overalls (the whole garments) - size S/ size L - 1 piece/6 pieces
C. Fluorescent Orange-Red/Navy armhole seams mock-up (the improved sample of sample A) - 4 pieces
D. Fluorescent Orange-Red/Navy mock-up (the improved sample of sample A) - 3 pieces
E. Fluorescent Orange-Red/Navy front seams mock-up (the improved sample of sample B) - 4 pieces
F. Fluorescent Orange-Red fabric (the improved material of sample A/B) - 4 pieces

Standard: EN ISO 20471:2013+A1:2016 & EN 343:2019 & EN 342:2017 & EN ISO 13688:2013+A1:2021

Sample Description: Parka + jardinera + trims

Colour: Fluorescent Orange-Red/ Navy

Style No.: Parka & Jardinera Termica Activex Arctic Naranja/Azul

Product Specification:

Model	Parka & Jardinera Termica Activex Arctic Naranja/Azul
Product	Fluorescent Orange-Red/Navy Suit
Outer shell 1	Fluorescent Orange-Red Woven fabric
Outer shell 2	Navy Woven fabric
Retroreflective tape	Silver Retroreflective tape
Lining 1	Navy 210T Woven fabric
Lining 2	Navy Fleece fabric, 180gsm
Pocket Lining	Fluorescent Orange-Red
Zipper 1	Black All Suit fasten zipper (No waterproof)
Zipper 2	Black Pants back zipper (No waterproof)
Zipper 3	Fluorescent Orange-Red All Suit fasten zipper (Fluorescent Orange-Red waterproof)
Zipper 4	Black All Suit fasten zipper (Black waterproof)
Velcro	Black Velcro
Button 1	Silver Metal button
Button 2	Black Plastic Snap button
Drawstring	Black Elastic fabric
Belt	Black Elastic belt
Eyelet	Black Metal eyelet
Elastic	Black Elastic

Laboratory:
TÜV SÜD Certification and Testing
(China) Co., Ltd. Xiamen Branch
Testing Location: Xiamen
Form No.: TC_XMN_F_24.04 E
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Order No.: 3496671
Fiber Content: 100%polyester
End Use: Parka + jardinera
Buyer: TRECK S.A

Season: AW25
Country of Origin: China
Country of Destination: Chile

Care Label Provided:



Sample Received Date: 2024-11-19 and 2025-01-13 and 2025-02-26
Date of Testing: 2024-11-20 to 2025-01-02 and 2025-01-14 to 2025-03-03

Test Result(s): Refer to the Section 3 and 4

Note:

- (1) Each order is subject to acceptance of our [General Terms and Conditions](#) and the [TÜV SÜD Testing, Certification, Validation and Verification Regulation](#), in the version valid at the time the contract is concluded. For full version of above both documents, please visit the link to view.
- (2) The results in this report are relevant only to the sample(s) tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory.
- (4) Disclaimer Measurement Uncertainty:
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019 or CNAS-GL015:2022.
- (5) The testing report without CMA stamp is not legally binding and could only be used as internal reference material for the applicant. It shall not be provided as a notarial certification.

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1. Test Sample Photo(s)

Sample A
Front



Back



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Sample B
Front



Back



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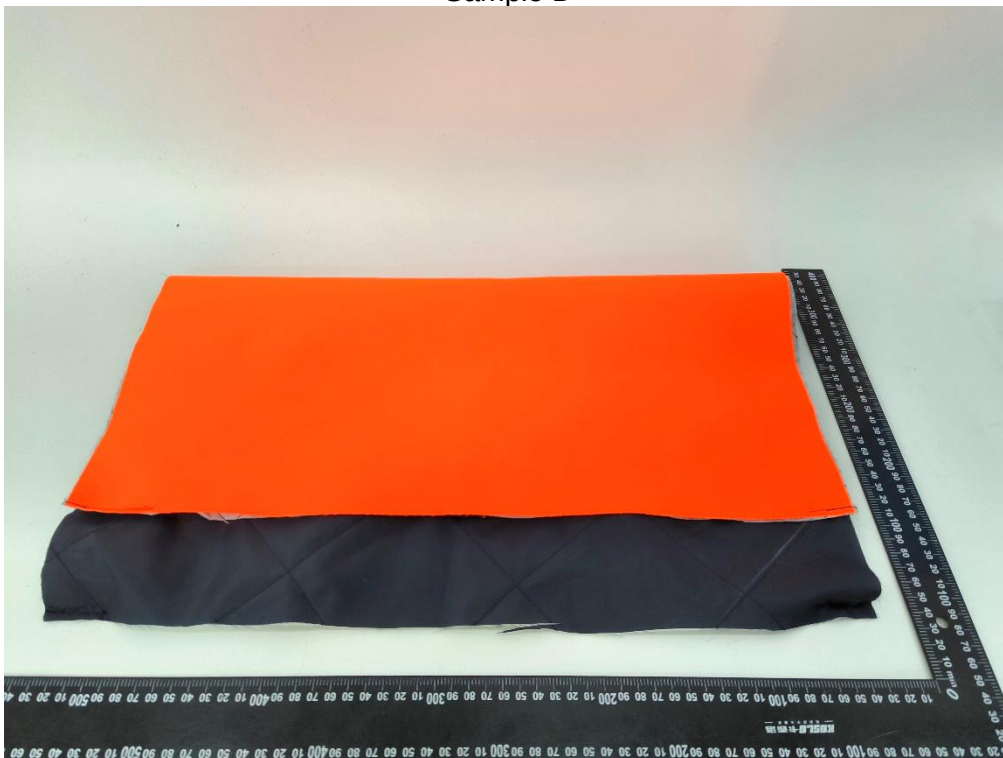
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Sample C



Sample D



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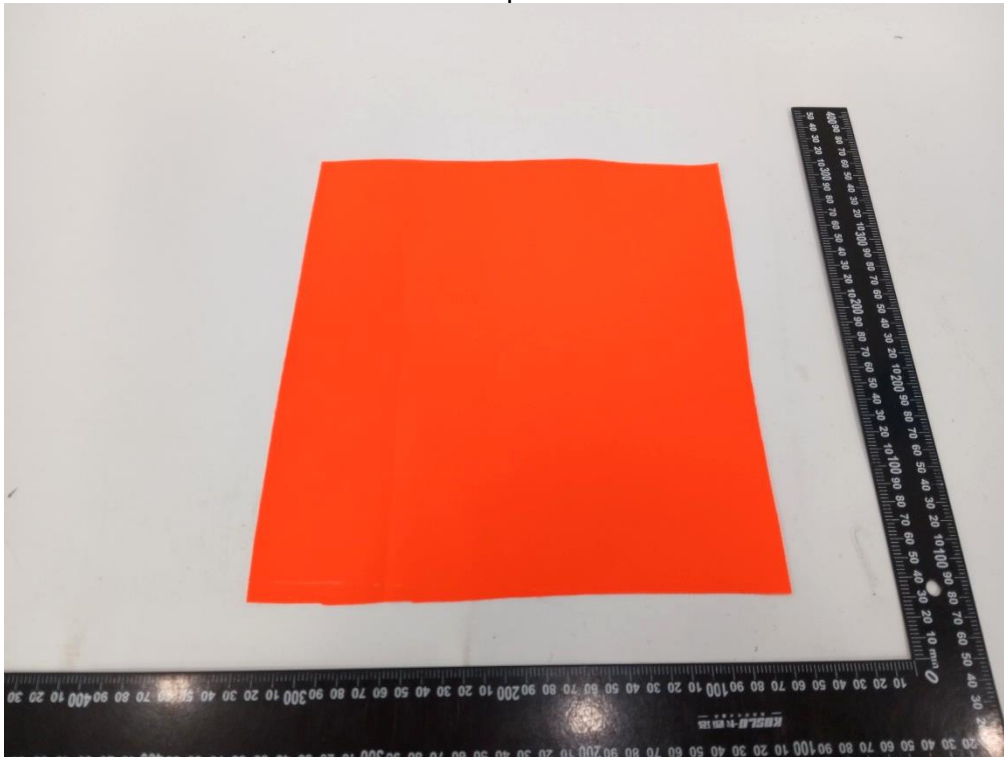
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Sample E



Sample F



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2. Identification of The Test Subject

Sample	Description	Remark
001	Fluorescent Orange-Red fabric with White PU coating backing (shell)	Finished Product (A/B)
002	Navy fabric with White PU coating backing (shell)	Finished Product (A/B)
003	Navy fabric (lining)	Finished Product (A/B)
004	Navy fleece fabric (hood lining)	Finished Product (A/B)
005	Fluorescent Orange-Red fabric (pocket lining)	Finished Product (A)
006	Black velcro	Finished Product (A/B)
007	Silver retroreflective tape (body)	Finished Product (A/B)
008	Black fabric (drawstring)	Finished Product (A)
009	Black elastic fabric (belt)	Finished Product (B)
010	Black/Grey elastic fabric (bottom)	Finished Product (B)
011	Black fabric (zipper tape)	Finished Product (A/B)
012	Fluorescent Orange-Red fabric (pocket zipper tape)	Finished Product (A)
013	Black fabric (pocket zipper tape)	Finished Product (B)
014	Black coated metal (zipper slider & zipper puller)	Finished Product (A/B)
015	Fluorescent Orange-Red coated metal (zipper slider & zipper puller)	Finished Product (A)
016	Black coated metal (zipper slider & zipper puller)	Finished Product (B)
017	Black coated eyelet	Finished Product (B)
018	Gun Silver coated metal (leg opening)	Finished Product (B)

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3. Conclusion

No.	Test Parameter(s)	Conclusion
1.	Types and Classes	A+B: Class 3
2.	Specific Design Requirements for Garments Covering Torso, Arms and Legs	Pass
3.	Colour Performance of New Material	Pass
4.	Colour after Xenon Test	Pass
5.	Colour after Washing	Pass
6.	Colour Fastness to Rubbing	Pass
7.	Colour Fastness to Perspiration	Pass
8.	Colour Fastness to Laundry	Pass
9.	Dimensional Change	Pass
10.	Tensile Strength of Coated Fabrics and Laminates	Pass
11.	Tear Strength of Coated Fabrics and Laminates	Pass
12.	General Requirements (EN 343:2019)	Pass
13.	Resistance to Water Penetration (EN 343:2019)	Class 3
14.	Water-vapour Resistance	Class 3
15.	Seam Strength of the Outer Shell Material	Pass
16.	General Requirements (EN 342:2017)	Pass
17.	Air Permeability	Class 3
18.	Resistance to Water Penetration (EN 342:2017)	Pass
19.	Water Vapour Resistance and Thermal Resistance	Pass
20.	Resultant Effective Thermal Insulation^	Pass
21.	Design	Pass
22.	Comfort	Pass
23.	General Size Designation	Pass
24.	Azo-Dye Test	Pass
25.	pH Value Test for Textile	Pass
26.	Nickel Release Test	Pass

Note: Pass= Meet Requirement
#= No Comment
N/A = Not Applicable

Fail= Below Requirement
- = Did Not Perform

“^” denotes this test item is not accredited by CNAS, and was subcontracted to CNAS accredited laboratory.

Remark: (1) Samples are tested as received.

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Reviewed by:



Stacey Yang
Softlines Department

Approved by:

Damon Zheng
Softlines Department

Nemo Chen
Softlines Department

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4. Test Results

4.1 Types and Classes (EN ISO 20471:2013+A1:2016 Clause 4.1)

Sample	Size	Parameters	Results	Requirement	Classification
A+B	S	Background material	1.232 m ²	*	Class 3
		Retroreflective material	0.302 m ²		
		Combined performance material	-		
		Background material on the front part	80.0 %	≥ 40% [^]	Pass
		Background material on the back part	74.0 %		

Remark: [^] = this requirement is defined by the number of RfU: PPE-R/28-009

* =

Material	Class 3 garments	Class 2 garments	Class 1 garments
Background material	0.80 m ²	0.50 m ²	0.14 m ²
Retroreflective material	0.20 m ²	0.13 m ²	0.10 m ²
Combined performance material	n. a.	n. a.	0.20 m ²

4.2 Specific Design Requirements for Garments Covering Torso, Arms and Legs (EN ISO 20471:2013+A1:2016 Clause 4.2.5)

Sample	Results	Requirement	Conclusion
A+B	Comply	The background material shall encircle the torso, the sleeves and trouser legs and shall maintain a minimum width of 50 mm (in height). Interruptions by retroreflective stripes are not counted. Bands of retroreflective material shall be at least 50 mm wide.	Pass
	Comply	The background material shall encircle the torso and the sleeves and shall maintain a minimum width (height) of 50 mm. Interruptions by retroreflective stripes are not counted. Bands of retroreflective material shall be at least 50 mm wide.	Pass
	Comply	Garments covering the torso and arms shall have one or more bands of retroreflective material encircling the torso with a maximum inclination of $\pm 20^\circ$ to the horizontal and bands of retroreflective material joining the torso band from the front to the back over each shoulder. The bottom of the lowest torso band shall be at least 50 mm above the bottom edge. If more than one horizontal band is applied, the horizontal bands shall be at least 50 mm apart. Alternatively, garments covering torso and arms shall have two or more bands of retroreflective material at least 50 mm apart and encircling the torso with a maximum inclination of $\pm 20^\circ$ to the horizontal. The bottom of the lowest torso band shall be at least 50 mm above the bottom edge.	Pass
	NA	If a sleeve blocks a clear view of a horizontal torso band, then the sleeve shall be encircled by a retroreflective band. If it is a long sleeve (1/1 arm) garment, the sleeve shall be encircled by two bands of retroreflective material at least 50 mm apart.	-
	Comply	If a sleeve blocks a clear view of two horizontal torso bands, then the sleeve shall be encircled with two retroreflective bands at least 50 mm apart with the lower band at least 50 mm above the sleeve edge. Testing regarding the clear view shall be done by visual inspection while moving the arm in all positions.	Pass
	Comply	Any gap (for fastening systems and seams) in the lengthwise continuity of each band of retroreflective or combined performance material shall not be greater than 50 mm, measured parallel to the direction of the band, and the total of such gaps shall not be greater than 100 mm in any one band around the torso and 50 mm around the sleeves.	Pass
	Comply	Garments covering legs shall have two or more bands of retroreflective material at least 50 mm apart and encircling each leg with a maximum inclination of $\pm 20^\circ$ to the horizontal. The bottom of the lower band shall be at least 50 mm above the bottom of the trouser leg.	Pass

Remark: NA= Not Applicable

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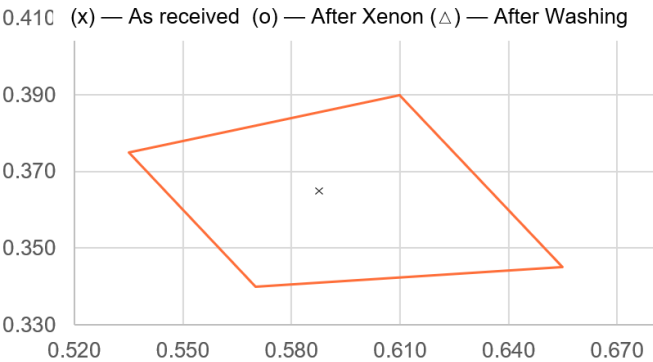
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4.3 Colour Performance of New Material (EN ISO 20471:2013+A1:2016 Clause 5.1 & 7.2)

Sample	Parameters	Results	Requirement	Conclusion
001	Chromaticity coordinates, x	0.588	*	Pass
	Chromaticity coordinates, y	0.365		
	Luminance factor, β	0.52		

Fluorescent Orange-red



Remark: * =

Colour	Chromaticity coordinates (x, y)		Minimum luminance factor (β_{min})
Fluorescent yellow	0.387	0.610	0.70
	0.356	0.494	
	0.398	0.452	
	0.460	0.540	
Fluorescent orange - red	0.610	0.390	0.40
	0.535	0.375	
	0.570	0.340	
	0.655	0.345	
Fluorescent red	0.655	0.345	0.25
	0.570	0.340	
	0.595	0.315	
	0.690	0.310	

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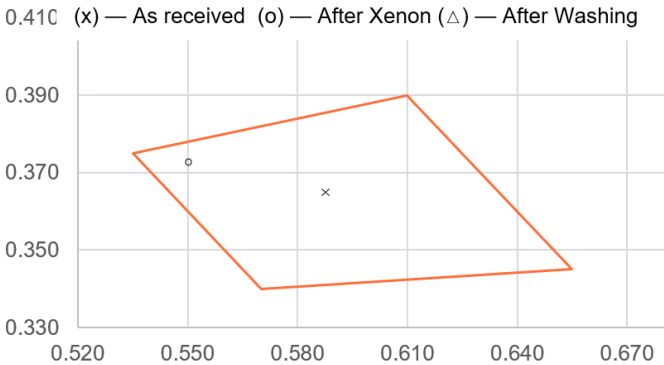


4.4 Colour after Xenon Test (EN ISO 20471:2013+A1:2016 Clause 5.2 & 7.2)

Xenon test method: ISO 105-B02:1994, Method 3

Sample	Parameters	Results	Requirement	Conclusion
001	Chromaticity coordinates, x	0.550	*	Pass
	Chromaticity coordinates, y	0.373		
	Luminance factor, β	0.56		

Fluorescent Orange-red



Remark: *=

Colour	Chromaticity coordinates (x, y)		Minimum luminance factor ($\beta_{\min}$)
Fluorescent yellow	0.387	0.610	0.70
	0.356	0.494	
	0.398	0.452	
	0.460	0.540	
Fluorescent orange - red	0.610	0.390	0.40
	0.535	0.375	
	0.570	0.340	
	0.655	0.345	
Fluorescent red	0.655	0.345	0.25
	0.570	0.340	
	0.595	0.315	
	0.690	0.310	

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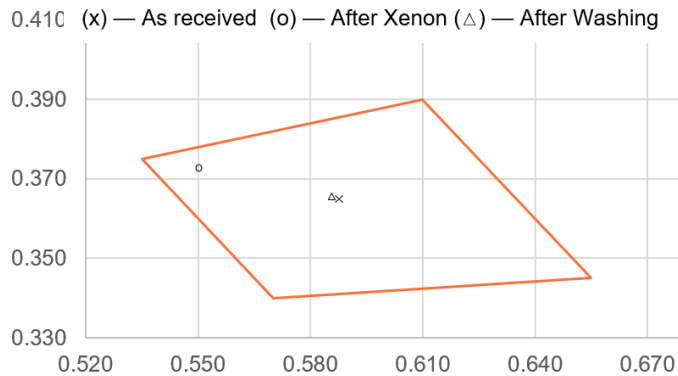
4.5 Colour after Washing (EN ISO 20471:2013+A1:2016 Clause 7.5.1 & 7.5.2)

Washing test method: ISO 6330:2021 (Domestic laundering)

Washing cycles: 5 cycles

Sample	Parameters	Results	Requirement	Conclusion
001	Chromaticity coordinates, x	0.586	*	Pass
	Chromaticity coordinates, y	0.366		
	Luminance factor, β	0.52		

Fluorescent Orange-red



Remark: Washing procedure No.: 3N; Using horizontal axis, front-loading type machine: Machine wash at 30°C with 2 kg total dry mass [Type III (100% polyester) + specimen] and "ECE(A)" detergent +sodium perborate + TAED. Tumble dry low.

* =

Colour	Chromaticity coordinates (x, y)		Minimum luminance factor (β_{min})
Fluorescent yellow	0.387	0.610	0.70
	0.356	0.494	
	0.398	0.452	
	0.460	0.540	
Fluorescent orange - red	0.610	0.390	0.40
	0.535	0.375	
	0.570	0.340	
	0.655	0.345	
Fluorescent red	0.655	0.345	0.25
	0.570	0.340	
	0.595	0.315	
	0.690	0.310	

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4.6 Colour Fastness to Rubbing (EN ISO 20471:2013+A1:2016 Clause 5.3.1, ISO 105-X12:2016)

Sample	Parameters	Results (Grade)	Requirement	Conclusion
001	Dry	4-5	≥ 4 Grade	Pass
002	Dry	4-5	≥ 4 Grade	Pass
003	Dry	4-5	≥ 4 Grade	Pass
004	Dry	4-5	≥ 4 Grade	Pass
005	Dry	4-5	≥ 4 Grade	Pass

4.7 Colour Fastness to Perspiration (EN ISO 20471:2013+A1:2016 Clause 5.3.2, ISO 105-E04:2013)

Sample	Parameters		Results (Grade)		Requirement	Conclusion
			Acid	Alkaline		
001	Colour Change		4-5	4-5	≥ 4 Grade	Pass
	Colour Staining	Acetate	4-5	4-5	/	
		Cotton	4-5	4-5	/	
		Polyamide	4-5	4-5	/	
		Polyester^	4-5	4-5	≥ 4 Grade	
		Acrylic	4-5	4-5	/	
		Wool	4-5	4-5	/	
002	Colour Change		4-5	4-5	/	Pass
	Colour Staining	Acetate	4-5	4-5	/	
		Cotton	4-5	4-5	/	
		Polyamide	4-5	4-5	/	
		Polyester^	4-5	4-5	≥ 4 Grade	
		Acrylic	4-5	4-5	/	
		Wool	4-5	4-5	/	
003	Colour Change		4-5	4-5	/	Pass
	Colour Staining	Acetate	4-5	4-5	/	
		Cotton	4-5	4-5	/	
		Polyamide	4-5	4-5	/	
		Polyester^	4-5	4-5	≥ 4 Grade	
		Acrylic	4-5	4-5	/	
		Wool	4-5	4-5	/	

Remark: ^ = Select only the fibre corresponding to the fibres of the fluorescent material and non-fluorescent material.

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4.7 Colour Fastness to Perspiration (EN ISO 20471:2013+A1:2016 Clause 5.3.2, ISO 105-E04:2013)

Sample	Parameters		Results (Grade)		Requirement	Conclusion
			Acid	Alkaline		
004	Colour Change		4-5	4-5	/	Pass
	Colour Staining	Acetate	4-5	4-5	/	
		Cotton	4-5	4-5	/	
		Polyamide	4-5	4-5	/	
		Polyester^	4-5	4-5	≥ 4 Grade	
		Acrylic	4-5	4-5	/	
		Wool	4-5	4-5	/	
005	Colour Change		4-5	4-5	/	Pass
	Colour Staining	Acetate	4-5	4-5	/	
		Cotton	4-5	4-5	/	
		Polyamide	4-5	4-5	/	
		Polyester^	4-5	4-5	≥ 4 Grade	
		Acrylic	4-5	4-5	/	
		Wool	4-5	4-5	/	

Remark: ^ = Select only the fibre corresponding to the fibres of the fluorescent material and non-fluorescent material.

4.8 Colour Fastness to Laundry (EN ISO 20471:2013+A1:2016 Clause 5.3.3, ISO 105-C06:2010)

Sample	Parameters		Results (Grade)	Requirement	Conclusion
001	Colour Change		4-5	≥ 4-5 Grade	Pass
	Colour Staining	Acetate	4-5	/	
		Cotton	4-5	/	
		Polyamide	4-5	/	
		Polyester^	4-5	≥ 4 Grade	
		Acrylic	4-5	/	
		Wool	4-5	/	
002	Colour Change		4-5	/	Pass
	Colour Staining	Acetate	4-5	/	
		Cotton	4-5	/	
		Polyamide	4-5	/	
		Polyester^	4-5	≥ 4 Grade	
		Acrylic	4-5	/	
		Wool	4-5	/	

Remark: Test No.: A2S, Machine wash at 30 °C with 4g/l 'ECE(B)' detergent and 1g/l Sodium perborate solution with 10 steel balls.

^ = Select only the fibre corresponding to the fibres of the fluorescent material and non-fluorescent material.

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4.8 Colour Fastness to Laundry (EN ISO 20471:2013+A1:2016 Clause 5.3.3, ISO 105-C06:2010)

Sample	Parameters		Results (Grade)	Requirement	Conclusion
003	Colour Change		4-5	/	Pass
	Colour Staining	Acetate	4-5	/	
		Cotton	4-5	/	
		Polyamide	4-5	/	
		Polyester^	4-5	≥ 4 Grade	
		Acrylic	4-5	/	
		Wool	4-5	/	
004	Colour Change		4-5	/	Pass
	Colour Staining	Acetate	4-5	/	
		Cotton	4-5	/	
		Polyamide	4-5	/	
		Polyester^	4-5	≥ 4 Grade	
		Acrylic	4-5	/	
		Wool	4-5	/	
005	Colour Change		4-5	/	Pass
	Colour Staining	Acetate	4-5	/	
		Cotton	4-5	/	
		Polyamide	4-5	/	
		Polyester^	4-5	≥ 4 Grade	
		Acrylic	4-5	/	
		Wool	4-5	/	

Remark: Test No.: A2S, Machine wash at 30 °C with 4g/l 'ECE(B)' detergent and 1g/l Sodium perborate solution with 10 steel balls.

^ = Select only the fibre corresponding to the fibres of the fluorescent material and non-fluorescent material.

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4.9 Dimensional Change (EN ISO 20471:2013+A1:2016 Clause 5.4)

Washing test method: ISO 5077:2007/ ISO 3759:2011/ ISO 6330:2021

Washing cycles: 5 cycles

Sample	Parameters	Results			Requirement	Conclusion
		Original (cm)	After washing (cm)	Rate of Change (%)		
A	Front length from high point shoulder	68.6	68.5	-0.1	Woven: $\pm 3\%$	Pass
	Centre back length	79.2	78.8	-0.5		
	Sleeve length	64.2	64.0	-0.3		
	Chest	130.0	130.0	0.0		
	Collar length	58.0	57.0	-1.7		
	Hem	121.0	119.4	-1.3		
	Across shoulder	60.7	60.6	-0.2		
	Armhole	61.2	60.8	-0.7		
	Lining length	77.6	77.2	-0.5		
	Lining width	65.2	65.2	0.0		
	Hat length	26.9	26.7	-0.7		
	Hat width	21.1	20.9	-0.9		
B	Waistband (with elastic band) Relaxed	82.0	81.2	-1.0	Woven: $\pm 3\%$	Pass
	Hips	121.2	121.0	-0.2		
	Front Rise	33.0	33.0	0.0		
	Back Rise	41.2	41.1	-0.2		
	Inside seam	74.3	72.2	-2.8		
	Side seams	113.3	113.1	-0.2		
	Leg opening	42.0	42.0	0.0		

Remark: Procedure No.: 3N; Using horizontal axis, front-loading type machine: Machine wash at 30 °C with 2 kg total dry mass (type III (100% polyester) + specimen) and "ECE(A)" detergent +sodium perborate + TAED. Tumble dry low.

4.10 Tensile Strength of Coated Fabrics and Laminates (EN ISO 20471:2013+A1:2016 Clause 5.5.3)

Test method: ISO 1421:1998 Method 1

Sample	Parameters	Results (N)	Requirement	Conclusion
001	Warp	1220	≥ 100 N	Pass
	Weft	1102		

4.11 Tear Strength of Coated Fabrics and Laminates (EN ISO 20471:2013+A1:2016 Clause 5.5.3)

Test method: ISO 4674-1:2003 Method A

Sample	Parameters	Results (N)	Requirement	Conclusion
001	Warp yarns torn	100	≥ 20 N	Pass
	Weft yarns torn	96		

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4.12 General Requirements (EN 343:2019 Clause 4.1.1)

Sample	Results	Requirement	Conclusion
A+B	Comply	The garment shall not have rough, sharp or hard surfaces that irritate or injure the user	Pass
	Comply	All pockets shall be constructed to avoid water inside the garment	Pass
	Comply	Closures, such as slide fasteners, fasteners, buttons etc. shall not open inadvertently	Pass

4.13 Resistance to Water Penetration (EN 343:2019 Clause 4.2)

Water penetration test method: EN 20811:1992 Clause 7

Washing test method: EN ISO 6330:2021, 5 cycles

Abrasion test method: EN 530:2010 Method 2, Pressure: 9 kPa, 1000 cycles

Flexing test method: EN ISO 7854:1997 Method C, 9000 cycles

Fuel and oil test method: ISO 1817:2024[#], test period: 60 min.

Sample	Test part	Parameters	Results (Pa)	Requirement	Classification
A	Side seams	As received	>13,000	*	Class 3
B	Inseam seams		>13,000	*	Class 3
C^	Armhole seam		>13,000	*	Class 3
E^	Front rise seam		>13,000	*	Class 3
F^	Materials	After washing	>20,000	*	Class 4
001		After abrasion	>20,000	*	Class 4
		After flexing	>20,000	*	Class 4
		After fuel (Liquid A)	>20,000	*	Class 4
		After oil (Liquid F)	>20,000	*	Class 4

Remark: Procedure No.: 3N; Using horizontal axis, front-loading type machine: Machine wash at 30 °C with 2 kg total dry mass (type III (100% polyester)+specimen) and "ECE(A)" detergent+sodium perborate+TAED. Tumble dry low. Test agents: Liquid A: Isooctane (2,2,4-trimethylpentane), percentage by volume 100 %. Liquid F: Test oil: straight-chain paraffins (C12 to C18), 80 % by volume and 1-methylnaphthalene, 20 % by volume.

*= Test part	Parameters	Class 1	Class 2	Class 3	Class 4
	As received	≥ 8,000 Pa	-	-	-
	After pre-treatment	-	≥ 8,000 Pa	≥ 13,000 Pa	≥ 20,000 Pa
	Seams	As received	≥ 8,000 Pa	≥ 13,000 Pa	-
	After washing	-	-	-	≥ 20,000 Pa

"#" denotes this test item is not accredited by CNAS.

"^" denotes the sample was received on 2025-01-13. It is customer's improvement sample since the first test results were failed.

4.14 Water-vapour Resistance (EN 343:2019 Clause 4.3)

Test method: EN ISO 11092:2014

Sample	Parameters	Result (m ² ·Pa/W)	Requirement	Classification
D [^]	Water-vapour resistance (R_{et})	23.7	*	Class 3

Remark: Water-vapour resistance: Air temperature and temperature of hotplate: 35.0±0.1°C. Relative humidity: 40±3%, Air speed: 1.0±0.05 m/s. The side of specimen facing the human body towards the test plate.

*= R_{et} (m ² ·Pa/W)	Class	Class 1	Class 2	Class 3	Class 4
		$R_{et} > 40$	$25 < R_{et} \leq 40$	$15 < R_{et} \leq 25$	$R_{et} < 15$

"^" denotes the sample was received on 2025-02-26. It is customer's improvement sample since the first test results were failed.

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4.15 Seam Strength of the Outer Shell Material (EN 343:2019 Clause 4.8, EN ISO 13935-2:2014)

Sample	Position	Results (N)	Requirement	Conclusion
A	Sleeve seam	280 (STB)	≥ 200 N	Pass
	Armhole seam	370 (STB)		
B	Inseam	240 (STB)		
	Outside seam	340 (TPO)		

Remark: TPO = Threads Pull Out, STB = Sewing Thread Break.

4.16 General Requirements (EN 342:2017 Clause 4.1.1 & 6.2.1)

Sample	Results	Requirement	Conclusion
A+B	Comply	The garment shall not have rough, sharp or hard surfaces that irritate or injure the user.	Pass
	Comply	The jacket/coat or coverall shall be closable up to the collar or neckband.	Pass
	Comply	The jacket/coat or coverall shall be long enough to cover the tops of the trousers.	Pass
	Comply	External pockets intended to be used in wet conditions shall be closable.	Pass
	Comply	Closures, such as slide fasteners, fasteners, buttons etc. shall not open inadvertently.	Pass
	Comply	Slide fasteners shall lock when completely closed.	Pass

4.17 Air Permeability (EN 342:2017 Clause 4.3 & 6.4, EN ISO 9237:1995)

Test area: 20 cm²

Test pressure: 100 Pa

Washing test method: EN ISO 6330:2021

Washing cycles: 5 cycles.

Sample	Parameters	Results (mm/s)	Requirement	Classification
A	Mean air permeability	0.23	*	Class 3

Remark: Procedure No.: 3N; Using horizontal axis, front-loading type machine: Machine wash at 30 °C with 2 kg total dry mass (type III (100% polyester) + specimen) and "ECE(A)" detergent +sodium perborate + TAED. Tumble dry low.

* =

Class	1	2	3
AP (mm/s)	AP > 100	5 < AP ≤ 100	AP ≤ 5

4.18 Resistance to Water Penetration (EN 342:2017 Clause 4.4 & 6.5, EN 20811:1992)

Washing test method: EN ISO 6330:2021

Washing cycles: 5 cycles.

Test speed: (980 ± 50) Pa/min.

Sample	Parameters	Results (Pa)	Requirement	Conclusion
F^	Water penetration	> 8000	Min. 8000 Pa	Pass

Remark: Procedure No.: 3N; Using horizontal axis, front-loading type machine: Machine wash at 30 °C with 2 kg total dry mass (type III (100% polyester) + specimen) and "ECE(A)" detergent +sodium perborate + TAED. Tumble dry low.

"^" denotes the sample was received on 2025-01-13. It is customer's improvement sample since the first test results were failed.

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4.19 Water Vapour Resistance and Thermal Resistance (EN 342:2017 Clause 4.5 & 6.6, EN ISO 11092:2014)

Sample	Parameters	Results	Requirement	Conclusion
A	Water vapour resistance, R_{et}	136.2 m ² ·Pa/W	≤ 55 m ² ·Pa/W	#1
	Thermal resistance, R_{ct}	0.50 m ² ·K/W	-	-
	Water vapour permeability index, i_{mt}	0.22	≥ 0.15	Pass

Remark: 1. #1= If the water vapour resistance exceeds 55 m²·Pa/W, the water vapour permeability index shall be ≥ 0.15.
2. Thermal resistance: Air temperature: 20.0±0.1°C, Relative humidity: 65±3%, Air speed: 1.0±0.05m/s, Temperature of hotplate: 35.0±0.1°C. The side of specimen facing the human body towards the test plate.
3. Water-vapour resistance: Air temperature and temperature of hotplate: 35.0±0.1°C. Relative humidity: 40±3%, Air speed: 1.0±0.05 m/s. The side of specimen facing the human body towards the test plate.

4.20 Resultant Effective Thermal Insulation (EN 342:2017 Clause 4.2 & 6.3)

Test method: EN ISO 15831:2004

Air temperature: 10 °C

Relative humidity: 50 %RH

Air speed: 0.4 m/s

Calculation model: Parallel

Washing test method: EN ISO 6330:2021

Washing cycles: 5 cycles

Sample	Parameters	Results (m ² ·K/W)	Requirement	Conclusion
A+B	Resultant effective thermal insulation, I_{cler}	0.406	≥ 0.265 m ² ·K/W	Pass

Remarks: Procedure No.: 3N; Using horizontal axis, front-loading type machine: Machine wash at 30 °C with 2 kg total dry mass (type III (100% polyester) + specimen) and "ECE(A)" detergent +sodium perborate + TAED. Tumble dry low..

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4.21 Design (EN ISO 13688:2013+A1:2021 Clause 4.3 & Annex C)

Sample	Results		Requirement	Conclusion
A+B	Clothing free from harmful features	Yes	Protective clothing should be inspected manually and visually to ensure it is free from any sharp or hard edges, protruding wire ends, rough surfaces or other items on the inner or outer surface of the clothing that are likely to cause harm to the user or others.	Pass
	Protective clothing, putting on, taking off and fit	Yes	The ease of putting on and removing the clothing with or without assistance as is appropriate for the type of clothing.	Pass
		Yes	The clothing should not be too tight for comfort and deep breathing is not restricted and there is no blood flow restriction anywhere.	Pass
		Yes	The clothing design at, for example the armholes and crotch, to check they are appropriately proportioned and positioned.	Pass
		Yes	Using simple practical tests, the assessor should check whether the information supplied by the manufacturer is sufficiently clear, complete and accurate so that users may be expected to use the clothing correctly and avoid any hazardous errors in using the product.	Pass
	Operation of closures, adjustment and restraint systems	Yes	The adequacy of the range of adjustments available	Pass
		Yes	The ease of operation and the security of closures and adjusters	Pass
		Yes	Whether the closures, adjusters and restraint systems appear strong enough to withstand the forces to which they are likely to be exposed to during body movements and the tasks for which the protective clothing is intended.	Pass
	Coverage of the area intended to be protected, coverage maintained during movements	Yes	The adequacy of coverage of any specified protection zones by protective material or special constructions	Pass
		Yes	That coverage is maintained during movements as extreme as it is anticipated a user would make.	Pass
	Freedom of movement	Yes	Standing, sitting, walking and stair climbing	Pass
		Yes	Raising both hands above the head	Pass
		Yes	Bending over and picking up a small object such as a pencil.	Pass
		Yes	The arms and legs of the clothing should not be so long that they interfere with hand and foot movements.	Pass
		Yes	The clothing should not be so loose that it flaps about or moves independently and inconveniently.	Pass
		Yes	There should not be points at which unexpected and unintended gaps open up between or within components of the clothing.	Pass
		Yes	There should not be any unreasonable restriction of movement at any joint.	Pass
	Compatibility with other PPE from the same manufacturer	NA	Protective clothing that is normally worn as part of an ensemble should be compatible with representative examples of the rest of that ensemble.	-
		Yes	Putting on and removing other items of PPE such as gloves and boots should be possible without difficulty.	Pass
	NA		Where applicable, protective clothing design shall take into account other items of protective clothing or equipment from the same manufacturer which must be worn to form an overall protective ensemble. When two or more items are worn together, they should be compatible and each one shall comply with its own standard. None of them has to reduce the performance of the other item(s) and the appropriate level of protection should be provided at interface areas between those products, for example in sleeve to glove, trousers to footwear, hood and respirator combinations. There may be other combinations.	-

Remark: NA= Not Applicable

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4.22 Comfort (EN ISO 13688:2013+A1:2021 Clause 4.4)

Sample	Results	Requirement	Conclusion
A+B	Yes	Protective clothing shall provide users with a level of comfort consistent with the level of protection required against the hazard which is present, the ambient conditions, the level of the user's activity, and the anticipated duration of use of the protective clothing.	Pass
	Yes	Shall not have rough, sharp or hard surfaces that irritate or injure the user	Pass
	Yes	Shall not be so tight, loose and/ or heavy so that it restricts normal movement	Pass
	NA	Protective clothing that imposes significant ergonomic burdens such as heat stress, or is inherently uncomfortable because of the need to provide adequate protection, Shall be accompanied in the information supplied by the manufacturer by specific advice or warnings. Specific advice on the appropriate duration for continuous use of the clothing in the intended application(s) shall be given.	-

Remark: NA= Not Applicable

4.23 General Size Designation (EN ISO 13688:2013+A1:2021 Clause 6)

Sample	Size	Parameters	Results	Requirement	Conclusion
A+B	S	Protective clothing type	Jacket / Coat / Vest / Coverall	*	Pass
		Chest / Bust girth	108-116 cm		
		Height	158-164 cm		

Remark: * =

Protective clothing	Control dimensions (ranges expressed as cm or kg)
Jacket, Coat, Vest	Chest or Bust girth and Height
Trousers	Waist or Hip girth and Height
Coverall	Chest or Bust girth and height
Aprons	Chest or Bust girth, Waist girth and Height
Protective equipment (e.g. knee pads, back protectors, torso protector)	Select the relevant measurement: - Chest or Bust girth, Waist girth and Height - Knee girth - Body weight - Waist to waist over the shoulder length

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4.24 Azo-Dye Test (EN ISO 13688:2013+A1:2021 Clause 4.2)

Test with reference to ISO 14362-1:2017- Textile materials

ISO 14362-3:2017- Textile materials (4-aminoazobenzene)

ISO 17234-1:2020 - for Leather

ISO 17234-2:2011 - for Leather (4-aminoazobenzene), determined by GCMS/HPLC-DAD

[Reporting Limit = 5.0 mg/kg]

No.	Substances List	CAS No.	Result (mg/kg)			Requirement (mg/kg)
			001	002	003	
1	4-Aminobiphenyl	92-67-1	ND	ND	ND	<30
2	Benzidine	92-87-5	ND	ND	ND	<30
3	4-Chloro-2-methylaniline	95-69-2	ND	ND	ND	<30
4	2-Naphthylamine	91-59-8	ND	ND	ND	<30
5	o-Aminoazotoluene	97-56-3	ND	ND	ND	<30
6	5-Nitro-o-toluidine	99-55-8	ND	ND	ND	<30
7	4-Chloroaniline	106-47-8	ND	ND	ND	<30
8	2,4-diaminoaniso	615-05-4	ND	ND	ND	<30
9	Bis-(4-aminophenyl)methane	101-77-9	ND	ND	ND	<30
10	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	<30
11	3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	<30
12	o-tolidine	119-93-7	ND	ND	ND	<30
13	3,3'-Dimethyl-4,4'-diaminadiphenylmethane	838-88-0	ND	ND	ND	<30
14	2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	<30
15	4,4'-Methylene bis(o-chloroaniline)	101-14-4	ND	ND	ND	<30
16	4,4'-Oxydianiline	101-80-4	ND	ND	ND	<30
17	4,4'-Thiodianiline	139-65-1	ND	ND	ND	<30
18	o-toluidine	95-53-4	ND	ND	ND	<30
19	2,4-Diaminotoluene	95-80-7	ND	ND	ND	<30
20	2,4,5-Trimethylaniline	137-17-7	ND	ND	ND	<30
21	o-Anisidine	90-04-0	ND	ND	ND	<30
22	4-Amino-azobenzene	60-09-3	ND	ND	ND	<30
23	2,4-Dimethylaniline	95-68-1	ND	ND	ND	<30
24	2,6-Dimethylaniline	87-62-7	ND	ND	ND	<30
25	4-chloro-o-toluidinium chloride	3165-93-3	ND	ND	ND	<30
26	2-Naphthylammoniumacetate	553-00-4	ND	ND	ND	<30
27	2,4-diaminoaniso	39156-41-7	ND	ND	ND	<30
28	2,4,5-trimethylanilinehydrochloride	21436-97-5	ND	ND	ND	<30
	Test Method	--	ISO 14362-1:2017	ISO 14362-1:2017	ISO 14362-1:2017	--
	Conclusion	--	Pass	Pass	Pass	--

- Remark: 1. ND = not detected (Less than Reporting Limit)
2. mg/kg = milligram per kilogram
3. "<" denotes less than

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4.24 Azo-Dye Test (EN ISO 13688:2013+A1:2021 Clause 4.2)

Test with reference to ISO 14362-1:2017- Textile materials

ISO 14362-3:2017- Textile materials (4-aminoazobenzene)

ISO 17234-1:2020 - for Leather

ISO 17234-2:2011 - for Leather (4-aminoazobenzene), determined by GCMS/HPLC-DAD

[Reporting Limit = 5.0 mg/kg]

No.	Substances List	CAS No.	Result (mg/kg)			Requirement (mg/kg)
			004	005	006	
1	4-Aminobiphenyl	92-67-1	ND	ND	ND	<30
2	Benzidine	92-87-5	ND	ND	ND	<30
3	4-Chloro-2-methylaniline	95-69-2	ND	ND	ND	<30
4	2-Naphthylamine	91-59-8	ND	ND	ND	<30
5	o-Aminoazotoluene	97-56-3	ND	ND	ND	<30
6	5-Nitro-o-toluidine	99-55-8	ND	ND	ND	<30
7	4-Chloroaniline	106-47-8	ND	ND	ND	<30
8	2,4-diaminoanisole	615-05-4	ND	ND	ND	<30
9	Bis-(4-aminophenyl)methane	101-77-9	ND	ND	ND	<30
10	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	<30
11	3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	<30
12	o-tolidine	119-93-7	ND	ND	ND	<30
13	3,3'-Dimethyl-4,4'-diaminadiphenylmethane	838-88-0	ND	ND	ND	<30
14	2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	<30
15	4,4'-Methylene bis(o-chloroaniline)	101-14-4	ND	ND	ND	<30
16	4,4'-Oxydianiline	101-80-4	ND	ND	ND	<30
17	4,4'-Thiodianiline	139-65-1	ND	ND	ND	<30
18	o-toluidine	95-53-4	ND	ND	ND	<30
19	2,4-Diaminotoluene	95-80-7	ND	ND	ND	<30
20	2,4,5-Trimethylaniline	137-17-7	ND	ND	ND	<30
21	o-Anisidine	90-04-0	ND	ND	ND	<30
22	4-Amino-azobenzene	60-09-3	ND	ND	ND	<30
23	2,4-Dimethylaniline	95-68-1	ND	ND	ND	<30
24	2,6-Dimethylaniline	87-62-7	ND	ND	ND	<30
25	4-chloro-o-toluidinium chloride	3165-93-3	ND	ND	ND	<30
26	2-Naphthylammoniumacetate	553-00-4	ND	ND	ND	<30
27	2,4-diaminoanisole sulphate	39156-41-7	ND	ND	ND	<30
28	2,4,5-trimethylanilinehydrochloride	21436-97-5	ND	ND	ND	<30
	Test Method	--	ISO 14362-1:2017	ISO 14362-1:2017	ISO 14362-1:2017	--
	Conclusion	--	Pass	Pass	Pass	--

- Remark: 1. ND = not detected (Less than Reporting Limit)
2. mg/kg = milligram per kilogram
3. "<" denotes less than

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4.24 Azo-Dye Test (EN ISO 13688:2013+A1:2021 Clause 4.2)

Test with reference to ISO 14362-1:2017- Textile materials

ISO 14362-3:2017- Textile materials (4-aminoazobenzene)

ISO 17234-1:2020 - for Leather

ISO 17234-2:2011 - for Leather (4-aminoazobenzene), determined by GCMS/HPLC-DAD

[Reporting Limit = 5.0 mg/kg]

No.	Substances List	CAS No.	Result (mg/kg)		Requirement (mg/kg)
			008	009	
1	4-Aminobiphenyl	92-67-1	ND	ND	<30
2	Benzidine	92-87-5	ND	ND	<30
3	4-Chloro-2-methylaniline	95-69-2	ND	ND	<30
4	2-Naphthylamine	91-59-8	ND	ND	<30
5	o-Aminoazotoluene	97-56-3	ND	ND	<30
6	5-Nitro-o-toluidine	99-55-8	ND	ND	<30
7	4-Chloroaniline	106-47-8	ND	ND	<30
8	2,4-diaminoanisole	615-05-4	ND	ND	<30
9	Bis-(4-aminophenyl)methane	101-77-9	ND	ND	<30
10	3,3'-Dichlorobenzidine	91-94-1	ND	ND	<30
11	3,3'-Dimethoxybenzidine	119-90-4	ND	ND	<30
12	o-tolidine	119-93-7	ND	ND	<30
13	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	ND	ND	<30
14	2-Methoxy-5-methylaniline	120-71-8	ND	ND	<30
15	4,4'-Methylene bis(o-chloroaniline)	101-14-4	ND	ND	<30
16	4,4'-Oxydianiline	101-80-4	ND	ND	<30
17	4,4'-Thiodianiline	139-65-1	ND	ND	<30
18	o-toluidine	95-53-4	ND	ND	<30
19	2,4-Diaminotoluene	95-80-7	ND	ND	<30
20	2,4,5-Trimethylaniline	137-17-7	ND	ND	<30
21	o-Anisidine	90-04-0	ND	ND	<30
22	4-Amino-azobenzene*	60-09-3	ND	ND	<30
23	2,4-Dimethylaniline	95-68-1	ND	ND	<30
24	2,6-Dimethylaniline	87-62-7	ND	ND	<30
25	4-chloro-o-toluidinium chloride	3165-93-3	ND	ND	<30
26	2-Naphthylammoniumacetate	553-00-4	ND	ND	<30
27	2,4-diaminoanisole sulphate	39156-41-7	ND	ND	<30
28	2,4,5-trimethylanilinehydrochloride	21436-97-5	ND	ND	<30
	Test Method	--	ISO 14362-1:2017 ISO 14362-3:2017	ISO 14362-1:2017	--
	Conclusion	--	Pass	Pass	--

Remark: 1. ND = not detected (Less than Reporting Limit)
2. mg/kg = milligram per kilogram
3. "<" denotes less than
4. *=AZO colorants that are able to from 4-aminoazobenzene, as generated under the current testing condition stated in ISO 14362-1:2017 are aniline and 1, 4-phenylenediamine. The presence of 4-aminoazobenzene is now determined by ISO 14362-3:2017.

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4.24 Azo-Dye Test (EN ISO 13688:2013+A1:2021 Clause 4.2)

Test with reference to ISO 14362-1:2017- Textile materials

ISO 14362-3:2017- Textile materials (4-aminoazobenzene)

ISO 17234-1:2020 - for Leather

ISO 17234-2:2011 - for Leather (4-aminoazobenzene), determined by GCMS/HPLC-DAD

[Reporting Limit = 5.0 mg/kg]

No.	Substances List	CAS No.	Result (mg/kg)			Requirement (mg/kg)
			010	011	012	
1	4-Aminobiphenyl	92-67-1	ND	ND	ND	<30
2	Benzidine	92-87-5	ND	ND	ND	<30
3	4-Chloro-2-methylaniline	95-69-2	ND	ND	ND	<30
4	2-Naphthylamine	91-59-8	ND	ND	ND	<30
5	o-Aminoazotoluene	97-56-3	ND	ND	ND	<30
6	5-Nitro-o-toluidine	99-55-8	ND	ND	ND	<30
7	4-Chloroaniline	106-47-8	ND	ND	ND	<30
8	2,4-diaminoanisole	615-05-4	ND	ND	ND	<30
9	Bis-(4-aminophenyl)methane	101-77-9	ND	ND	ND	<30
10	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	<30
11	3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	<30
12	o-tolidine	119-93-7	ND	ND	ND	<30
13	3,3'-Dimethyl-4,4'-diaminadiphenylmethane	838-88-0	ND	ND	ND	<30
14	2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	<30
15	4,4'-Methylene bis(o-chloroaniline)	101-14-4	ND	ND	ND	<30
16	4,4'-Oxydianiline	101-80-4	ND	ND	ND	<30
17	4,4'-Thiodianiline	139-65-1	ND	ND	ND	<30
18	o-toluidine	95-53-4	ND	ND	ND	<30
19	2,4-Diaminotoluene	95-80-7	ND	ND	ND	<30
20	2,4,5-Trimethylaniline	137-17-7	ND	ND	ND	<30
21	o-Anisidine	90-04-0	ND	ND	ND	<30
22	4-Amino-azobenzene	60-09-3	ND	ND	ND	<30
23	2,4-Dimethylaniline	95-68-1	ND	ND	ND	<30
24	2,6-Dimethylaniline	87-62-7	ND	ND	ND	<30
25	4-chloro-o-toluidinium chloride	3165-93-3	ND	ND	ND	<30
26	2-Naphthylammoniumacetate	553-00-4	ND	ND	ND	<30
27	2,4-diaminoanisole sulphate	39156-41-7	ND	ND	ND	<30
28	2,4,5-trimethylanilinehydrochloride	21436-97-5	ND	ND	ND	<30
	Test Method	--	ISO 14362-1:2017	ISO 14362-1:2017	ISO 14362-1:2017	--
	Conclusion	--	Pass	Pass	Pass	--

- Remark: 1. ND = not detected (Less than Reporting Limit)
2. mg/kg = milligram per kilogram
3. "<" denotes less than

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4.24 Azo-Dye Test (EN ISO 13688:2013+A1:2021 Clause 4.2)

Test with reference to ISO 14362-1:2017- Textile materials

ISO 14362-3:2017- Textile materials (4-aminoazobenzene)

ISO 17234-1:2020 - for Leather

ISO 17234-2:2011 - for Leather (4-aminoazobenzene), determined by GCMS/HPLC-DAD

[Reporting Limit = 5.0 mg/kg]

No.	Substances List	CAS No.	Result (mg/kg)	Requirement (mg/kg)
			013	
1	4-Aminobiphenyl	92-67-1	ND	<30
2	Benzidine	92-87-5	ND	<30
3	4-Chloro-2-methylaniline	95-69-2	ND	<30
4	2-Naphthylamine	91-59-8	ND	<30
5	o-Aminoazotoluene	97-56-3	ND	<30
6	5-Nitro-o-toluidine	99-55-8	ND	<30
7	4-Chloroaniline	106-47-8	ND	<30
8	2,4-diaminoaniso	615-05-4	ND	<30
9	Bis-(4-aminophenyl)methane	101-77-9	ND	<30
10	3,3'-Dichlorobenzidine	91-94-1	ND	<30
11	3,3'-Dimethoxybenzidine	119-90-4	ND	<30
12	o-tolidine	119-93-7	ND	<30
13	3,3'-Dimethyl-4,4'-diaminadiphenylmethane	838-88-0	ND	<30
14	2-Methoxy-5-methylaniline	120-71-8	ND	<30
15	4,4'-Methylene bis(o-chloroaniline)	101-14-4	ND	<30
16	4,4'-Oxydianiline	101-80-4	ND	<30
17	4,4'-Thiodianiline	139-65-1	ND	<30
18	o-toluidine	95-53-4	ND	<30
19	2,4-Diaminotoluene	95-80-7	ND	<30
20	2,4,5-Trimethylaniline	137-17-7	ND	<30
21	o-Anisidine	90-04-0	ND	<30
22	4-Amino-azobenzene	60-09-3	ND	<30
23	2,4-Dimethylaniline	95-68-1	ND	<30
24	2,6-Dimethylaniline	87-62-7	ND	<30
25	4-chloro-o-toluidinium chloride	3165-93-3	ND	<30
26	2-Naphthylammoniumacetate	553-00-4	ND	<30
27	2,4-diaminoaniso	39156-41-7	ND	<30
28	2,4,5-trimethylanilinehydrochloride	21436-97-5	ND	<30
	Test Method	--	ISO 14362-1:2017	--
	Conclusion	--	Pass	--

- Remark:
1. ND = not detected (Less than Reporting Limit)
 2. mg/kg = milligram per kilogram
 3. "<" denotes less than

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4.25 pH Value Test for Textile (EN ISO 13688:2013+A1:2021 Clause 4.2)

Test with reference to ISO 3071:2020, using KCl solution, determined by pH meter

Sample	Result	Requirement	Conclusion
001	6.4	3.5-9.5	Pass
002	4.3	3.5-9.5	Pass
003	5.8	3.5-9.5	Pass
004	6.4	3.5-9.5	Pass
005	6.2	3.5-9.5	Pass
006	6.0	3.5-9.5	Pass
007	5.7	3.5-9.5	Pass
008	6.5	3.5-9.5	Pass
009	6.5	3.5-9.5	Pass
010	6.6	3.5-9.5	Pass
011	6.6	3.5-9.5	Pass
012	6.3	3.5-9.5	Pass
013	6.4	3.5-9.5	Pass

Remark: 1. Temperature of the solution is 22.0°C during measurement

4.26 Nickel Release Test (EN ISO 13688:2013+A1:2021 Clause 4.2)

Test with reference to EN 1811:2023, EN 12472:2020, determined by ICP-OES/ICP-MS

[Reporting Limit = 0.05 µg/cm²/week]

Sample	Trial	Size of Tested sample Area (cm ²)	Volume of Test Solution Used (mL)	Nickel Release (µg/cm ² /week)	Maximum Permissible Limit (µg/cm ² /week)	Conclusion
014	1 st sample	8.79	8.8	ND	<0.5	Pass
	2 nd sample	8.79	8.8	ND		
	3 rd sample	8.79	8.8	ND		
015	1 st sample	8.87	8.9	ND	<0.5	Pass
	2 nd sample	8.87	8.9	ND		
	3 rd sample	8.87	8.9	ND		
016	1 st sample	9.19	10.0	ND	<0.5	Pass
	2 nd sample	9.19	10.0	ND		
	3 rd sample	9.19	10.0	ND		
017	1 st sample	0.51	1.2	ND	<0.5	Pass
	2 nd sample	0.51	1.2	ND		
	3 rd sample	0.51	1.2	ND		
018	1 st sample	1.77	1.8	ND	<0.5	Pass
	2 nd sample	1.77	1.8	ND		
	3 rd sample	1.77	1.8	ND		

Remark: 1. "<" denotes less than
2. "cm²" denotes square centimeters
3. "µg/cm²/week" denotes microgram per square centimeters per week
4. "mL" denotes milliliter
5. "ND" denotes Not Detected

-- END OF THE TEST REPORT --

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