

# CERTIFICATE OF TEST

Certificate of test nº

**24EP0650**

AITEX declares that the articles:

Given by the company:

**“UNITEC-240”**

According information supplied by the customer:  
Fabric reference: UNITEC-240  
Color: HV Yellow  
Composition and percentage: 65% Polyester / 35% Cotton,  
Twill 2/1  
Weight: 240 gsm  
Others: 555

**XM TEXTILES POLSKA SP. Z O. O.**

16 WOLNOŚCIOWA  
PL-95-200  
Pabianice

Complies with the requirements of the standard/s:

**EN ISO 20471:2013+ EN ISO 20471:2013+AMD1:2016. HIGH VISIBILITY CLOTHING. TEST METHODS AND REQUIREMENTS**

TEST		RESULTS		REQUIREMENTS	REPORT No.
Clause 5.1	Determination of chromaticity coordinates - As received	x = 0,368 y = 0,518 $\beta_{\min} = 0,90$		x:0,387 y:0,610 x:0,356 y:0,494 x:0,398 y:0,452 x:0,460 y:0,540 $\beta_{\min}: 0,70$	2024EP0649
	Determination of chromaticity coordinates - After 25 washing cycles	x = 0,364 y = 0,523 $\beta_{\min} = 0,92$			
	Determination of chromaticity coordinates - After 5 washing cycles	x = 0,362 y = 0,519 $\beta_{\min} = 0,92$			
Clause 5.2	Determination of chromaticity coordinates - After Xenon test exposure	x = 0,361 y = 0,506 $\beta_{\min} = 0,90$			
Clause 5.3.1	Colour fastness to rubbing	Dry staining = 4-5		Dry staining $\geq 4$	2024EP0649
Clause 5.3.2	Colour fastness to perspiration	Change in colour = 5		Change in colour $\geq 4$	2024EP0649
		Staining = 4-5		Staining $\geq 4$	
Clause 5.3.3	Colour fastness to washing Test C1M at 60°C	Change in colour = 5		Change in colour $\geq 4-5$	2024EP0649
		Staining = 4		Staining $\geq 4$	
Clause 5.4	Dimensional stability after 5 washing cycles	Warp: -2,0%	Weft: 0%	$\leq \pm 3\%$	2024EP0649
Clause 5.5.1	Tensile resistance	Warp: 2000 N	Weft: 1000 N	$\geq 100$ N	2024EP0649
Clause 5.6.3	Water vapour resistance ( $R_{et}$ )	$R_{et} = 3,26$ (m <sup>2</sup> ·Pa/W)		$R_{et} \leq 5$ (m <sup>2</sup> ·Pa/W)	2024EP0649

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 6N and F type drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

**2024EP0649**

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This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not imply any monitoring or control activity on this product done by AITEX. This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez  
Head of PPE and Ballistic  
department