

CERTIFICATE OF TEST

Certificate of test n°

22CN6494

AITEX declares that the articles:

Given by the company:

"Flame Resistant Reflective Tape RT-FRHW506030- CTN"

NANNING V-CAN BUSINESS CO., LTD

According information supplied by the customer:

1F-1A, Unit-102, Building-D25,

Tape ref.- Flame Resistant Reflective Tape RT-FRHW506030-CTN
Composition: FR Treated Cotton
Weight: 0,5Kg
Color: Fluorescent Lime Yellow + Silver + Fluorescent Lime Yellow

Research&Development

CN-530000 Nanning

Complies with the requirements of the standard/s:

EN 469:2020. Protective clothing for firefighters. Performance requirements for protective clothing for firefighting activities.

TEST	RESULTS	REQUIREMENTS	REPORT No.
Clause 6.2.1.1 Limited flame spread after 50 washing cycles ⁽¹⁾	PASS	The material shall achieve level 3 of EN ISO 14116:2015	2022CN6384
Clause 6.2.1.6 Heat resistance (180°C)	PASS	No layer can ignite, melt or shrinks more than 5 %	2022CN6384
Clause 6.2.6.4 Photometric performance requirements for retroreflective material after heat resistance 180°C	PASS	According EN ISO 20471:2013/A1:2016 ≥ 100 (cd/m2-lx)	2022CN6384

⁽¹⁾ Deviation form the product Standard, it has only been tested after washing.

Remark: Washing instructions according to Standard EN ISO 6330:2012, method 6N and F type drying (type A1 drum dryer).

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

2022CN6384

Signed by: Raquel Muñoz González
Manager Innovation Area

Issued by AITEX on: 15/11/2022.

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 implies any monitoring or control activity on this product done by AITEX. This document is a test summary and does not imply a product certification.

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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 = 0,3980 y = 0,5300 $\beta_{min} = 0,9700$	x:0,3870 y:0,6100 x:0,3560 y:0,4940 x:0,3980 y:0,4520 x:0,4600 y:0,5400 $\beta_{min}: 0,7000$	2022CN6384																									
	Determination of chromaticity coordinates - After 50 washing cycles	x = 0,4010 y = 0,5350 $\beta_{min} = 0,9800$																											
Clause 5.2	Determination of chromaticity coordinates - After Xenon test exposure	x = 0,4090 y = 0,5100 $\beta_{min} = 0,8100$																											
Clause 6.1	Retroreflective performance of new material	PASS			<table border="1"> <tr> <td></td> <td>5°</td> <td>20°</td> <td>30°</td> <td>40°</td> </tr> <tr> <td>12'</td> <td>330</td> <td>290</td> <td>180</td> <td>65</td> </tr> <tr> <td>20'</td> <td>250</td> <td>200</td> <td>170</td> <td>60</td> </tr> <tr> <td>1°</td> <td>25</td> <td>15</td> <td>12</td> <td>10</td> </tr> <tr> <td>1°30'</td> <td>10</td> <td>7</td> <td>5</td> <td>4</td> </tr> </table>		5°	20°	30°	40°	12'	330	290	180	65	20'	250	200	170	60	1°	25	15	12	10	1°30'	10	7	5
	5°	20°	30°	40°																									
12'	330	290	180	65																									
20'	250	200	170	60																									
1°	25	15	12	10																									
1°30'	10	7	5	4																									
Clause 7.4.1	Retroreflective performance after abrasion	PASS	12'/5°	≥ 100 (cd/m ² ·lx)	2022CN6384																								
Clause 7.4.2	Retroreflective performance after flexing	PASS	12'/5°	≥ 100 (cd/m ² ·lx)	2022CN6384																								
Clause 7.4.3	Retroreflective performance after folding at cold temperatures	PASS	12'/5°	≥ 100 (cd/m ² ·lx)	2022CN6384																								
Clause 7.4.4	Retroreflective performance after temperature variation	PASS	12'/5°	≥ 100 (cd/m ² ·lx)	2022CN6384																								
Clause 7.4.5	Retroreflective performance after rainfall	PASS	12'/5°	≥ 100 (cd/m ² ·lx)	2022CN6384																								
Clause 7.5.2	Retroreflective performance after 50 washing	PASS	12'/5°	≥ 100 (cd/m ² ·lx)	2022CN6384																								

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