D3. Declaration of Conformity

Declaration of Conformity to ANSI/ISEA 107-2015, High-Visibility Safety Apparel Certificate Number: V70529-2015 Company Name: Tingley Rubber Corporation Address: 1551 S. Washington Ave Suite 403 Piscataway NJ 08854 Product Description: Class 2 Mesh 5 Point Breakaway, Hook and loop closure Vest, Fluorescent Orange-Red Model Number: V70529 Company declares that the above product meets all set requirements as stated in ANSI/ISEA 107-2015 as a compliant high-visibility safety item for Type R Performance Class _2_ All relevant materials have been tested with documents referenced under this certificate number. This item meets all design requirements and has been measured for appropriate amount of visible reflective material and background materials for the smallest size offered for this product. 1. VISIBLE BACKGROUND MATERIAL: • Amount of visible background material (smallest size offered): >.50m² (775 in.²) Please list each material that contributes towards the amount VISIBLE BACKGROUND MATERIAL listed above. Material 1 Test Data Material Type: X Knitted □ Woven □ Other: Test Lab: Vartest Labs Material Content (such as Polyester, Modacrylic, and others): Report #: TINGLE.A020416M 100% Polyester Weight: 3.05 oz Color: Fl. Orange-Red Date: 2/23/16 Description: 100% Polyester Mesh **Material 2 Test Data** Material Type: ☐Knitted ☐ Woven ☐ Other: Test Lab: Material Content (such as Polyester, Modacrylic, and others): Report #: Weight: Color: Date: Description: **Material 3 Test Data** Material Type: ☐Knitted ☐ Woven ☐ Other: Test Lab: Material Content (such as Polyester, Modacrylic, and others): Report #: Weight: Color: Date:

Description:

^{*}Use separate sheet for additional materials

Declaration of Conformity (page 2 of 2)

2. VISIBLE RETROREFLECTIVE MATERIAL

• Amount of visible retroreflective material (smallest size offered) .13m² (201 in.²)

Please list each type of material that contributes towards **VISIBLE RETROREFLECTIVE MATERIAL** listed above.

| Mate | rial | 1 . | Test | Data |
|------|------|-----|------|------|
| | | | | |

| Test Lab: Calcoast – Test Report# 150 | 123-02A | |
|--|---------|--|
| Date: 2/20/15 Style #: CSR 1303-2 | | |
| Description: 50mm wide sew on silver reflective trim | | |
| | | |

Material 2 Test Data

| Test Lab: | |
|--------------|----------|
| Date: | Style #: |
| Description: | |

The undersigned hereby warrants that he/she is authorized to legally bind the company identified above.

| Signed: | Title: |
|-------------|--------|
| | |
| Print Name: | Date: |

^{*}Use separate sheet for additional materials



19 West 36 Street, Tenth Floor New York, NY 10018 tel: 212 947 8391 fax: 212 947 8719

www.vartest.com

Third Party Certification (ANSI/ISEA 107-2015) HIGH VISIBILITY COMPLIANCE CERTIFICATE

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Submitted by: Tingley Rubber Corporation Name: Mesh Vest Color Hi Vis Fluorescent Orange Red

Date: February 23, 2016

Report #: TINGLE.A020416M

The submitted fabric **MEETS** the requirements of ANSI/ISEA 107-2015 specification for the tests conducted in this report covering high visibility background material.

All of the above tests and evaluations were performed in accordance with ISO/IEC 17025 Quality Systems.

This certification applies to the background material only.

Certificate authorized by:

Adam R. Varley Technical Director





Serial 60085020416M.TINGLE

^{*}This certification applies to the particular sample tested and to the specific tests carried out as dated and detailed in the report referenced above. It does not signify any measure of approval, control, supervision, or surveillance by Vartest Laboratories Inc. to this or any related product.



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ISO/ICC 17025 Certified Third Party Test Report

DATE:

February 26, 2016

FILE: TINGLE.A020416M

PO #: 17124

CLIENT:

Tingley Rubber Corporation

ATTN: Erika Puello

1551 S Washington Ave, Suite 403

Piscataway, NJ 08854

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted

Per ANSI/ISEA 107-2015 Specification

Name: Mesh Vest Color Hi Vis Fluorescent Orange Red

| EXECUTIVE S | SUMMARY: | : |
|-------------|----------|---|
|-------------|----------|---|

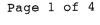
PASS

FAIL

The submitted fabric MEETS the requirements of ANSI/ISEA 107-2015 Specification for the applicable tests conducted in this report covering high visibility background material.

REQUIRED TESTS:

| Test/Method | Section | ANSI/ISEA 107 REQUIREMENTS | TEST RESULT | PASS/FAIL/NA |
|---|------------------------|--|---|--------------|
| Determination of Color ASTM E1164-12 (Single layer) | | Test specimen must fulfill the colormetric require - ments of Table 3 for background material | As submitted: x = y = % Y = | N/A |
| | (I)) (I) (I) (I) | To the same of the | After 40x Xenon x = y = % Y = | N/A |
| ASTM E1164-12 8.2 | 8.1.1 8.2.4 10.2 | Test specimen must fulfill the colormetric require - ments of Table 3 for background material | As submitted: x = 0.601 y = 0.362 % Y = 42.70 | PASS |
| | | | After 40x Xenon x = 0.568 y = 0.366 % Y = 46.51 | PASS |
| Colorfastness Crocking AATCC 8-2013 | 8.2.1 | Wet 3.0 Dry 3.0 | Wet: 4.5 Dry: 4.5 | PASS PASS |
| Colorfastness Perspiration AATCC 15-2013 | 8.2.2 | Shade change 4.0 Staining 3.0 | Shade Change: 5.0 Acetate: 4.5 Cotton: 4.5 Nylon: 4.0 Polyester: 5.0 Acrylic: 5.0 Wool: 4.5 | PASS |







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PO #: 17124

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted

Per ANSI/ISEA 107-2015 Specification

Name: Mesh Vest

Color Hi Vis Fluorescent Orange Red

REQUIRED TESTS (Cont.):

| Test/Method | Section | ANSI/ISEA 107 REQUIREMENTS | TEST RESULT | PASS/FAIL/NA |
|---|---------|---|------------------|--------------|
| Bursting Strength (Knitted or Other Nonwovens) ASIM D6797-07 (2011) | 8.4.1 | 267 N (60 lbf) (27.2fkg) | 99.1 lbs average | PASS |
| Tear Resistance (Woven) ASTM D1424-09 (2013) | 8.4.2 | 13 N (1326 gf) (2.92 lbf) Avg. force machine Avg. force cross-machine | | N/A N/A |

TESTED AS CARE LABEL DICTATES:

| Test/Method | Section | ANSI/ISEA 107 REQUIREMENTS | TEST RESULT | PASS/FAIL/NA |
|--|------------------|----------------------------------|---|--------------|
| Colorfastness Domestic Laundry AATCC 61-2013-2A 105°F (Modified) | 8.2.3 Table 4 | Shade Change 4.5 Staining 3.0 | Shade Change: 4.5 Acetate: 3.5 Cotton: 4.0 Nylon: 3.0 Polyester: 4.0 Acrylic: 4.5 Wool: 4.0 | PASS PASS |
| Colorfastness Commercial Laundry AATCC 61-2013-3A 145°F (Modified) | 8.2.3 Table 4 | Shade Change 4.5 Staining 3.0 | Shade Change: Acetate: Cotton: Nylon: Polyester: Acrylic: Wool: | N/A N/A |
| Colorfastness Water AATCC 107-2013 | 8.2.3 Table 4 | Shade Change 3.0 3.0 | Shade Change: 4.5 Acetate: 4.5 Cotton: 4.5 Nylon: 4.5 Polyester: 5.0 Acrylic: 5.0 Wool: 4.5 | PASS PASS |
| Colorfastness Hypochlorite Bleaching AATCC 61-2013-4A (Commercial) | 8.2.3 Table 4 | Fading 4.0 | | N/A |
| Colorfastness Hypochlorite Bleaching AATCC 61-2013-5A (Domestic) | 8.2.3 Table 4 | Fading 4.0 | | N/A |





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PO #: 17124

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted

Per ANSI/ISEA 107-2015 Specification

Name: Mesh Vest

Color Hi Vis Fluorescent Orange Red

TESTED AS CARE LABEL DICTATES:

| Test/Method | Section | ANSI/ISEA 107 | REQUIREMENTS | TEST RESULT | PASS/FAIL/NA |
|--|------------------|----------------------------|---------------------|--|--------------|
| Colorfastness Hot-pressing AATCC 133-2013 | 8.2.3 Table 4 | Shade Change: Staining: | 4.5 3.0 | 230°F Shade Change: 5.0 Staining: 5.0 300°F | PASS |
| | | · continue | in (W) (11) in fig. | Shade Change: 5.0 Staining: 5.0 390°F | PASS |
| | | and R | TES | Shade Change: 5.0 Staining: 5.0 | PASS |
| Colorfastness Dry Cleaning AATCC 132-2013 | 8.2.3 Table 4 | Shade Change | 4.0 | and T | N/A |
| Dimensional change Domestic AATCC 135-2012 | 8.3.1 | Woven L +/- 4% | W +/-2% | 5th Cycle Length= Width = | N/A |
| (3)IIIA(ii) @ 105°F | THUTH | Knit or Coate | d, Non-Woven | 5th Cycle Length= -3.6% Width = -1.9% | PASS |

TESTED AS CARE LABEL DICTATES (cont.):

| Test/Method | Section | ANSI/ISEA 107 REQUIREMENTS | TEST RESULT | PASS/FAIL/NA |
|---|---------|---|---------------------------------|--------------|
| Dimensional change Commercial AATCC 96-2012 IIIc-A and/or E@145°F | 8.3.1 | Woven L +/- 4% W +/-2% | 5th Cycle Length= Width = | N/A |
| | | Knit or Coated, Non-Woven L +/- 7% W +/-5% | 5th Cycle Length= Width = | N/A |
| Dimensional change Drycleaning AATCC 158-2011 | 8.3.1 | Woven L +/- 4% W +/-2% | 5th Cycle Length= Width = | N/A |
| | | Knit or Coated, Non-Woven L +/- 7% W +/-5% | 5th Cycle Length= Width = | N/A |





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Fabric Submitted

Per ANSI/ISEA 107-2015 Specification

Name: Mesh Vest

Color Hi Vis Fluorescent Orange Red

TESTED AS CARE LABEL DICTATES (cont.):

| Test/Method | Section | ANSI/ISEA 107 REQUIREMENTS | TEST RESULT | PASS/FAIL/NA |
|---|---------|--|-----------------------|--------------|
| Water Repellency | 8.5.1 | 90 New | New: | N/A |
| AATCC 22-2010 | | 70 After 5X Launderings | After: | N/A |
| Water Resistance | 8.5.2 | ≤ 1 g of water penetration | New: | N/A |
| AATCC 35-2013 | | Level 1 | After 5X Launderings: | N/A |
| Waterproof | 8.5.3 | 200 cm New | New: | N/A |
| AATCC 127-2013 | | 200 cm After 5X Launderings | After: | N/A |
| Breathability ASTM E96-2013 Procedure B or BW | 8.6 | Procedure B: 600 g/m2/24 hr microporous Procedure BW: 3600 g/m2/24 hr hydrophilic | enated (| N/A |

idned For The Company By

Technical Director

JG/02/212

Stacy Sadowy

Quality Assurance Supervisor

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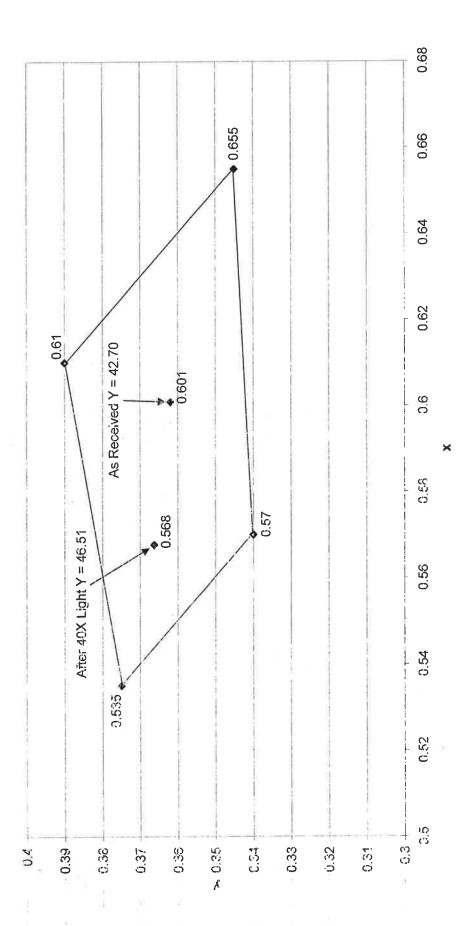


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Chromaticity Coordinates
TINGLE.A.020416M
Fluorescent Orange- red
ANSI 107-2015 Requirement: Y ≥ 40

Test Performed with Double Layers of Fabric





PHOTOMETRIC TESTING

INDUSTRIAL TESTING LABORATORY

CERTIFICATE OF COMPLIANCE

Based on Report No. 150123-02A

Report Date:

20 February 2015

Project Name:

Tingley CSR 1303-2 Non-Waterproof Sew-On

Silver Retroreflective Trim on PE Base

Submitted by:

Tingley Rubber Corporation

South Plainfield, NJ 07080

Test Laboratory:

Calcoast - ITL

San Leandro, CA 94577

Product:

50 mm (2") wide retroreflective trim,

submitted 23 Jan 2015

SUMMARY

Specification: ANSI/ISEA 107-2010

American National Standard for High-Visibility Safety Apparel

Retroreflective Material, Level 1 or 2

Color

| Prior to Exposure |
|--|
| Colorfastness |
| Photometric Performance, Initial |
| Level 2 Passed |
| Level 1 Passed |
| Retroreflection after Test Exposure |
| Abrasion Passed |
| Flexing Passed |
| Folding at Cold Temperatures Passed |
| Exposure to Temperature Variation |
| Washing (25X) Passed |
| Dry-cleaning (OX) |
| Retroreflective Performance in Rainfall Passed |
| Flame Resistance |

Written by:

Douglas G. Cummins Photometric Engineer Approved by:

Mark A. Evans

Laboratory Director

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PHOTOGRAPH SHEET

Project Name: Tingley CSR 1303-2 Non-Waterproof Sew-On Silver Retroreflective Trim on PE Base

