

**Third Party Certification**  
**(ANSI/ISEA 107-2020)**  
**HIGH VISIBILITY COMPLIANCE CERTIFICATE**

---

Submitted by: Haining Jintai Knitting Co Ltd  
Name: 13001 Birdeye  
100% Polyester  
Color Hi-Vis Yellow

Date: December 4, 2020

Test Report #: HAININ.A112020F

The submitted fabric **MEETS** the requirements of ANSI/ISEA 107– 2020 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:



Joseph Lin  
Laboratory Manager



## ISO/IEC 17025 Certified Third Party Test Report

**DATE:** December 4, 2020 **FILE:** HAININ.A112020F  
**CLIENT:** Haining Jintai Knitting Co. Ltd **ATTN:** Rondo Jin  
 No. 1 Shuangbei Road  
 HaiNing, Zhejiang  
 314400 P.R. China

**SAMPLE IDENTIFIED BY CLIENT AS:**

Fabric Submitted  
Per ANSI/ISEA 107-2020 Specification  
Name: 13001 Birdeye  
100% Polyester  
Color Hi-Vis Yellow

**EXECUTIVE SUMMARY:**

PASS

FAIL



The submitted fabric **MEETS** the requirements of ANSI/ISEA 107-2020 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 E1164-17 (Single layer)	8.1.1 8.1.2 10.2	Test specimen must fulfill the colorimetric requirements of Table 2 for background material	As submitted: x = 0.373 y = 0.547 % Y = 96.40	PASS
			After 40x Xenon x = 0.368 y = 0.532 % Y = 93.76	PASS
Determination of Color ASTM E1164-17 (Two layers of the same material)	8.1.1 8.1.2 10.2	Test specimen must fulfill the colorimetric requirements of Table 2 for background material	As submitted: x = y = % Y =	N/A
			After 40x Xenon x = y = % Y =	N/A

**ISO/IEC 17025 Certified Third Party Test Report**

FILE: HAININ.A112020F

**SAMPLE IDENTIFIED BY CLIENT AS:**

Fabric Submitted  
Per ANSI/ISEA 107-2020 Specification  
Name: 13001 Birdeye  
100% Polyester  
Color Hi-Vis Yellow

**REQUIRED TESTS:**

Test/Method	Section	ANSI/ISEA 107 REQUIREMENTS	TEST RESULT	PASS/FAIL/NA
Colorfastness Crocking AATCC 8-2016	8.2.1	Wet 3.0 Dry 3.0	Wet: 5.0 Dry: 5.0	PASS PASS
Colorfastness Perspiration AATCC 15-2013	8.2.2	Shade change 4.0 Staining 3.0	Shade Change: 5.0 Acetate: 5.0 Cotton: 5.0 Nylon: 5.0 Polyester: 5.0 Acrylic: 5.0 Wool: 5.0	PASS PASS
Bursting Strength (Knitted or Other Nonwovens) - not applicable to single-use disposable coveralls  ASTM D6797-07 (2016) or ASTM D6797-07 (2015)	8.4.1	178 N (40 lbf) (18.1fkg)	194.5 lbf average	PASS
Tear Resistance (Woven) ASTM D1424-09 (2013) - not applicable to single-use disposable coveralls  ASTM D1424-09 (2019)	8.4.2	13 N (1326 gf) (2.92 lbf) Avg. force machine Avg. force cross-machine		N/A N/A
Seam Strength (single-use disposable coveralls only) ASTM D1683/D1683M-17 (2018)	11.3	40N (9 lbf)		N/A

**ISO/IEC 17025 Certified Third Party Test Report**

FILE: HAININ.A112020F  
**SAMPLE IDENTIFIED BY CLIENT AS:**  
Fabric Submitted  
Per ANSI/ISEA 107-2020 Specification  
Name: 13001 Birdeye  
100% Polyester  
Color Hi-Vis Yellow

**TESTED AS CARE LABEL DICTATES:**

Test/Method	Section	ANSI/ISEA 107 REQUIREMENTS	TEST RESULT	PASS/FAIL/NA
Colorfastness Domestic Laundry AATCC 61-2013-2A 160°F	8.2.3 Table 3	Shade Change 4.5 Staining 3.0	Shade Change: Acetate: Cotton: Nylon: Polyester: Acrylic: Wool:	N/A N/A
Colorfastness Domestic Laundry AATCC 61-2013-2A 105°F (Modified)	8.2.3 Table 3	Shade Change 4.5 Staining 3.0	Shade Change: 4.5 Acetate: 5.0 Cotton: 5.0 Nylon: 4.5 Polyester: 5.0 Acrylic: 5.0 Wool: 4.5	PASS PASS
Colorfastness Commercial Laundry AATCC 61-2013-3A 145°F (Modified)	8.2.3 Table 3	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 3	Shade Change 3.0 3.0	Shade Change: 5.0 Acetate: 5.0 Cotton: 5.0 Nylon: 5.0 Polyester: 5.0 Acrylic: 5.0 Wool: 5.0	PASS PASS
Colorfastness Hypochlorite Bleaching AATCC 61-2013-4A (Commercial)	8.2.3 Table 3	Fading 4.0		N/A
Colorfastness Hypochlorite Bleaching AATCC 61-2013-5A (Domestic)	8.2.3 Table 3	Fading 4.0		N/A

## ISO/IEC 17025 Certified Third Party Test Report

FILE: HAININ.A112020F  
**SAMPLE IDENTIFIED BY CLIENT AS:**  
Fabric Submitted  
Per ANSI/ISEA 107-2020 Specification  
Name: 13001 Birdeye  
100% Polyester  
Color Hi-Vis Yellow

**TESTED AS CARE LABEL DICTATES:**

Test/Method	Section	ANSI/ISEA 107 REQUIREMENTS	TEST RESULT	PASS/FAIL/NA
Colorfastness Hot-pressing AATCC 133-2013  *Coated fabrics are exempt	8.2.3 Table 3	Shade Change: 4.5	230°F	PASS
		Staining: 3.0	Shade Change: 5.0 Staining: 5.0	
			300°F Shade Change: 5.0 Staining: 5.0	
			390°F Shade Change: 5.0 Staining: 5.0	PASS
Colorfastness Dry Cleaning AATCC 132-2013	8.2.3 Table 3	Shade Change 4.0		N/A
Dimensional change Domestic AATCC 135-2018 MWH @ 140°F TDL Low Iron	8.3.1	Woven L +/- 4%      W +/-4%	5th Cycle Length= Width =	N/A
		Knit or Coated, Non-Woven L +/- 7%      W +/-5%	5th Cycle Length= +0.7% Width = +1.0%	PASS
Dimensional change Commercial AATCC 96-2012 IIIC-A and/or E@145°F	8.3.1	Woven L +/- 4%      W +/-4%	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 158-2016	8.3.1	Woven L +/- 4%      W +/-4%	5th Cycle Length= Width =	N/A
		Knit or Coated, Non-Woven L +/- 7%      W +/-5%	5th Cycle Length= Width =	N/A



**ISO/IEC 17025 Certified Third Party Test Report**

FILE: HAININ.A112020F  
**SAMPLE IDENTIFIED BY CLIENT AS:**  
Fabric Submitted  
Per ANSI/ISEA 107-2020 Specification  
Name: 13001 Birdeye  
100% Polyester  
Color Hi-Vis Yellow

**TESTED AS CARE LABEL DICTATES:**

Test/Method	Section	ANSI/ISEA 107 REQUIREMENTS	TEST RESULT	PASS/FAIL/NA
Water Repellency AATCC 22-2017	8.5.1	90 New 70 After 5X Washings	New: After:	N/A N/A
Water Resistance AATCC 35-2018	8.5.2	≤ 1 g of water penetration Level 1	New: After 5X Launderings:	N/A N/A
Waterproof AATCC 127-2017	8.5.3	200 cm New 200 cm After 5X Launderings	New: After:	N/A N/A
Breathability ASTM E96-2016 Procedure B or BW	8.6	Procedure B: 600 g/m <sup>2</sup> /24 hr microporous		N/A
		Procedure BW: 3600 g/m <sup>2</sup> /24 hr hydrophilic		N/A

Signed For The Company By

*Joseph Lin*  
Joseph Lin  
Laboratory Manager

JG/11



*Stacy Sadowy*  
Stacy Sadowy  
Quality Assurance Manager

HAININ-A112020F

