

# **TEST REPORT**

Test Report # 20H-004403 Date of Report Issue: July 17, 2020

Date of Sample Received: July 3, 2020 Pages: Page 1 of 8

**CLIENT INFORMATION:** 

Company: HALO Branded Solutions

Recipient: Jackie Yount

Recipient Email: jackie.yount@halo.com

**SAMPLE INFORMATION:** 

Description: Protective Coveralls

Assortment: - Purchase Order Number: -

SKU/style No.: Coveralls Toy Co./Agency: -

Factory/Supplier/Vendor: - Country of Origin: China

Country of Distribution: United States Labeled Age Grade: -

Quantity Submitted: 9 pcs Requested Age Grade: 14+

Testing Period: 07/06/2020 – 07/17/2020 Tested Age Grade: -

**OVERALL RESULT:** 

INFORMATION ONLY

Refer to page 2 for test result summary and appropriate notes.

QIMA Testing (HK) Limited

Ricky Cheung Chin Yeung Manager, Physical Laboratory

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#### **TEST RESULTS SUMMARY:**

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
INFORMATION ONLY	ISO 9073-1-Textiles-Mass of fabrics <sup>¢</sup>
INFORMATION ONLY	ASTM D1424-Textiles-Tear Strength <sup><math>\phi</math></sup>
INFORMATION ONLY	ASTM D5587-Textiles-Tear strength <sup><math>\phi</math></sup>
INFORMATION ONLY	ASTM D5034-Textiles-Tensile Strength <sup>ф</sup>
INFORMATION ONLY	ASMT D751 Section 71-76-Textiles-Seam Tensile Properties <sup>\$\phi\$</sup>
INFORMATION ONLY	AATCC 127-Textiles-Water Resistance (Hydrostatic Pressure, per 5000 mmH <sub>2</sub> O) <sup>\$\phi\$</sup>
INFORMATION ONLY	AATCC 42-Textiles-Water resistance <sup>¢</sup>
INFORMATION ONLY	ASTM D737-Textiles-Air Permeability <sup>¢</sup>

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If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.

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#### **DETAILED RESULTS:**

#### ISO 9073-1-Textiles-Mass of fabrics <sup>6</sup>

Test Method: ISO 9073-1:1989

Sample	PROTECTIVE COVERALLS					Client's
Items	Result	Result	Result	Result	Result	requirement
(g/m²)	69					N/A
Conclusion	INFORMATION ONLY					-

## ASTM D1424-Textiles-Tear Strength <sup>6</sup>

Test Method: ASTM D1424-09(R2013); Elmendorf

Sample	PROTECTIVE COVERALLS					Client's
Items	Result	Result	Result	Result	Result	requirement
Length yarns torn (Ibf)	0.6					N/A
Width yarns torn (Ibf)	2.0#					N/A
Conclusion	INFORMATION ONLY					-

#### Note:

(1) Length test - test in which the Length p yarns are torn. Width test - test in which the Width yarns are torn.

(2) #: Untearable in this direction

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Ver.15



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#### **DETAILED RESULTS:**

#### ASTM D5587-Textiles-Tear strength <sup>\$\phi\$</sup>

Test Method: ASTM D5587-2015(R2019), Trapezoid Procedure

Sample	PROTECTIVE COVERALLS					Client's
Items	Result	Result	Result	Result	Result	requirement
Length yarns torn (Ibf)	5.0					N/A
Width yarns torn (Ibf)	8.8					N/A
Conclusion	INFORMATION ONLY					-

Note: Length test - test in which the Length p yarns are torn. Width test - test in which the Width yarns are torn.

### ASTM D5034-Textiles-Tensile Strength <sup>6</sup>

Test Method: ASTM D5034-09(R2017); Instron CRE - 1" Grab

Sample	PROTECTIVE COVERALLS					
Items	Client's requirement	Result	Conclusion			
Length (lbf)	N/A	18.6	INFORMATION			
Width (lbf)	N/A	26.8	ONLY			

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#### **DETAILED RESULTS:**

# ASMT D751 Section 71-76-Textiles-Seam Tensile Properties <sup>\$\phi\$</sup>

Test Method: ASTM D751-19

Sample	PROTECTIVE COVERALLS					Client's
Items	Result	Result	Result	Result	Result	requirement
Top sleeve Seam (Ibf/inch)	8.7(F.T.S)					N/A
Bottom Inside Seam (Ibf/inch)	9.2(F.R.)					N/A
Bottom Backrise seam (lbf/inch)	9.6(F.R.)					N/A
Conclusion	INFORMATION ONLY					-

Remarks: F.T.S = Fabric Tear at Seam

F.R.= Fabric Rupture



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#### **DETAILED RESULTS:**

# AATCC 127-Textiles-Water Resistance (Hydrostatic Pressure, per 5000 mmH<sub>2</sub>O) <sup>¢</sup>

Test Method: AATCC 127- 2017, Option 2; Hydrostatic Head ;Rate of increase of water pressure: 60 cm/min; temp. of distilled water: 21°C, face side facing water)

Sample	PROTECTIVE COVERALLS-Seam						
ltems		Client's					
items	1#	2#	3#	Average	requirement		
As received Water Column (mmH₂O)	3048	3190	3103	3114	N/A		
Conclusion	INFORMATION ONLY						

# AATCC 127-Textiles-Water Resistance (Hydrostatic Pressure, per 5000 mmH₂O) <sup>♦</sup>

Test Method: AATCC 127- 2017, Option 2; Hydrostatic Head ;Rate of increase of water pressure: 60 cm/min; temp. of distilled water: 21°C, face side facing water)

Sample	PROTECTIVE COVERALLS-Body fabric						
ltome		Client's					
Items	1#	2#	3#	Average	requirement		
As received Water Column (mmH₂O)	3077	2973	3076	3042	N/A		
Conclusion	INFORMATION ONLY						

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CS-HK-RE005 Ver.15

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#### **DETAILED RESULTS:**

#### AATCC 42-Textiles-Water resistance <sup>\$\phi\$</sup>

Sample	PROTECTIVE COVERALLS						
ltome		Client's					
Items	1#	2#	3#	Average	requirement		
Increased mass (g)	0.0	0.0	0.0	0.0	N/A		
Conclusion	INFORMATION ONLY						

# ASTM D737-Textiles-Air Permeability <sup>\$\phi\$</sup>

Sample	PROTECTIVE COVERALLS					Client's
Items	Result (CFM)	Result	Result	Result	Result	requirement
Seams - Hood Center Line	0.550					N/A
Seams - Collar	1.39					N/A
Seams - Sleeve Seam	1.49					N/A
Seams - Back Seam	1.18					N/A
Seams - Waist	1.26					N/A
Seams - Inseam	1.23					N/A
Body	0.137					N/A
Conclusion	INFORMATION ONLY					-

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#### **SAMPLE PHOTO:**



-End Report-