

## Test Report

No. AJHG1507005411FB

Date: JUL.09, 2015

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### NAUTILUS INTERNATIONAL CAYMAN LIMITED

P.O. BOX 30079 CAMANA BAY KY1-1203 GRAND CAYMAN; CAYMAN ISLANDS; B.W.I.

The following sample(s) was / were submitted and identified on behalf of the client as:

**Sample Description:** FLAME RESISTANT FABRIC, ROYAL BLUE COLOR, 150GSM

**Type/Style:** NTL5 CNR 45

**Country of Origin:** CHINA

### **Test Requested:**

NFPA 2112: 2012 Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire, clause 8.3 Flame Resistance Test

Test method: ASTM D6413:08 Standard Test Method for Flame Resistance of Textiles (Vertical Test)

**Test Results:** -- See attached sheet --

### **Test Period:**

Sample Receiving Date : JUL.02, 2015

Test Performing Date : JUL.02, 2015 TO JUL.09, 2015

Signed for and on behalf of  
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou  
Technical Manager



SGS-CSTC Standards Technical Service Co., Ltd.  
Anji Branch Flame Retardant Goods Laboratory

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**I. Test conducted**

This test was conducted in accordance with ASTM D6413:08 Standard Test Method for Flame Resistance of Textiles (Vertical Test).

**II. Sample details**

Materials / Color	Fabric / Blue
Area density	146g/m <sup>2</sup>
Size of sample	305mm × 76mm

**III. Conditioning**

Prior to testing, all specimens were conditioned,  
to moisture equilibrium at temperatures of 21±1 °C and at a relative humidity of 65±5%.

**IV. Test results**

As Received

Specimen No.	Warp					Filling				
	1	2	3	4	5	1	2	3	4	5
After-flame time (s)	0	0	0	0	0	0	0	0	0	0
The average after-flame time (S)	0					0				
Char length (mm)	67	73	69	71	70	81	75	80	76	79
The average char length (mm)	70					78				
Melting or dripping (Yes/No)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**Fabric Requirements** (NFPA 2112, Chapter 7 Performance Requirements, Clause 7.1)

Clause 7.1.2 Fabric and reflective striping utilized in the construction of flame-resistant garments shall be tested for flame resistance as specified in Section 8.3, and shall have a char length of not more than 100 mm (4 in.) and an afterflame of not more than 2 seconds, and shall not melt and drip

**Conclusion:** PASS [  ]; FAIL [  ]

To be continued....



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Photo Appendix:



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\*\*\*End of Report\*\*\*

