

# TECHNICAL REPORT



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Our Ref: **TFFLF56010B**  
Date: 08 January 2015  
Delivery Date: 12 December 2014  
Test Dates: 15 December 2014 – 07 January 2015

For the attention of Mark Nesbit

## SAMPLE(S) FOR TEST:

One, Leaves – Sample B

*Note: The above descriptions are as supplied by the client and have not been verified by FIRA who can take no responsibility for the accuracy of the description.*

## TEST REQUIREMENTS :

BS EN 1021-1: 2014 (smouldering cigarette)  
BS EN 1021-2: 2014 (match flame equivalent)

## RESULT :

Pass  
Pass

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# TECHNICAL REPORT

## DESCRIPTION

Enquiry No: TFFLF56010B

Item: One, Leaves – Sample B

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

## TEST RESULTS

### **BS EN 1021-1: 2014: ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED FURNITURE PART 1 IGNITION SOURCE: SMOULDERING CIGARETTE**

Initial Inspection: Condition as new

Conditioning:  $\geq 24$  hours at  $23 \pm 2^\circ\text{C}$  &  $50 \pm 5\%$  rh

Test conditions:  $25.4^\circ\text{C}$  &  $33.9\%$  rh

Filling material: None

<b>TEST RESULTS: SMOULDERING CIGARETTE</b>		<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>
<b>Smouldering Criteria:</b>			
Unsafe escalating combustion	(3.1a)	NO	NO
Test assembly consumed	(3.1b)	NO	NO
Smoulders to extremities	(3.1c)	NO	NO
Smoulders through thickness	(3.1c)	NO	NO
Smoulders more than 1 hour	(3.1d)	NO	NO
More than 100mm's from source	(3.1e)	NO	NO
<b>Flaming Criteria:</b>			
Flames occur	(3.2)	NO	NO

## CONCLUSION

This sample passes the requirements of BS EN 1021-1: 2014.

# TECHNICAL REPORT

## BS EN 1021-2: 2014: ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED FURNITURE PART 2 IGNITION SOURCE: MATCH FLAME EQUIVALENT

Item: One, Leaves – Sample B

Initial Inspection: Condition as new

Conditioning:  $\geq 24$  hours at  $23 \pm 2^\circ\text{C}$  &  $50 \pm 5\%$  rh

Test conditions:  $25.5^\circ\text{C}$  &  $33.7\%$  rh

Filling material: None

TEST RESULTS: MATCH FLAM EQUIVALENT		1st	2nd	3rd
<b>Smouldering Criteria:</b>				
Unsafe escalating combustion	(3.1a)	NO	NO	NO
Test assembly consumed	(3.1b)	NO	NO	NO
Smoulders to extremities	(3.1c)	NO	NO	NO
Smoulder through thickness	(3.1c)	NO	NO	NO
Smoulders more than 1 hour	(3.1d)	NO	NO	NO
More than 100mm from source	(3.1e)	NO	NO	NO
<b>Flaming Criteria:</b>				
Unsafe escalating combustion	(3.2a)	NO	NO	NO
Test assembly consumed	(3.2b)	NO	NO	NO
Flames to extremities	(3.2c)	NO	NO	NO
Flames through thickness	(3.2c)	NO	NO	NO
Flames continue beyond 120secs	(3.2d)	NO	NO	NO

### CONCLUSION

This sample passes the requirements of BS EN 1021-2: 2014.

Tested by: Barry Worrell

Reported by: Jordan Eaves

Approved by: Stephen Cotton  
Technical Specialist - Flammability



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