

certificate of testing

client Richloom Bailey Plant  
100 Bailey Plant Road  
Clinton, SC 29325

product identification Chaya

test method performed standard methods of fire test for flame propagation of textiles and films nftpa 701 – 2019,  
test method 1

date of test 9.7.2023

test results

specimen	mass initial (g)	mass final (g)	mass loss (%)	flaming drip (s)	after flame (s)
1	11.5	11.4	1%	0.0	0.0
2	11.7	11.5	2%	0.0	0.0
3	11.3	10.8	4%	0.0	0.0
4	11.6	11.3	3%	0.0	0.0
5	11.6	11.0	5%	0.0	0.0
6	11.9	11.3	5%	0.0	0.0
7	11.5	11.1	3%	0.0	0.0
8	11.7	11.2	4%	0.0	0.0
9	11.8	10.7	9%	0.0	0.0
10	12.1	11.4	6%	0.0	0.0
avg	11.7	11.2	4%	0.0	0.0

notes

approximate material weight 5.22 ounces per square yard  
 standard deviation 2.4%  
 mean + 3 standard deviations 11.4%  
 product configuration  single layer  multi layer  
 results reported  initially  other:  
 conditioning  oven 220°F, 30 minutes  70 ±3.5°F, 50 ±5% rh for 24h  
 sampling as received  
 intended end use  drapery  other:

acceptance criteria *after flame is required to be recorded but the standard does not factor it in the failure criteria*

- flaming drip cannot exceed an average of 2 seconds per specimen for the sample of 10 specimens
- the average weight loss of the 10 specimens in a sample shall be 40 percent or less
- no individual specimen's percent mass loss shall deviate more than 3 standard deviations from the mean for the 10 specimens

conclusion

based upon the test results and acceptance criteria listed above, the product identified

passes  
 fails  
 requires retesting of 10 additional specimens

certification statement by signing below, the lab certifies that the results were obtained after testing specimens submitted by the client in accordance to the procedures and equipment specified by the standard stated above.

approved by: 

certificate of testing

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 100 Bailey Plant Road  
 Clinton, SC 29325  
 product identification Chaya

test method performed international maritime organization (imo) fire test procedures (ftp) code – 2010, annex 1  
 date of test part 7 – test for vertically supported textiles and films  
 9.7.2023

test results

	specimen	after flame (s)	after glow (s)	surface flash (y/n)	edge reached (y/n)	ignition of cotton wool (y/n)	char length (mm)	test conducted
warp	1	0.0	0.0	n	n	n	96	<input type="checkbox"/> 5s face ignition
	2	0.0	0.0	n	n	n	100	<input type="checkbox"/> 15s face ignition
	3	0.0	0.0	n	n	n	133	<input type="checkbox"/> 5s edge ignition
	4	0.0	0.0	n	n	n	103	<input checked="" type="checkbox"/> 15s edge ignition
	5	0.0	0.0	n	n	n	112	
	avg	0.0	0.0				109	
fill	6	0.0	0.0	n	n	n	36	
	7	0.0	0.0	n	n	n	110	
	8	0.0	0.0	n	n	n	82	
	9	0.0	0.0	n	n	n	105	
	10	0.0	0.0	n	n	n	82	
	avg	0.0	0.0				83	

test information

test conditions 70 ±3.5°F, 50 ±5% relative humidity  
 conditioning time 70 ±4°F, 65 ±5% relative humidity minimum 24 hours  
 ignition source 40mm propane gas flame  
 side tested  face  back  face + back  
 cleaning / weathering used none  
 sampling as received  
 date samples received 9/5/2023

client provided information

manufacturer / supplier not provided  
 manufacturer address not provided  
 product end use drapery / curtains  
 sampling procedure not provided  
 fabric composition 100% fr polyester  
 pick / end count not provided  
 yarn number count not provided  
 thickness of fabric not provided  
 weight of fabric not provided  
 color and tone not provided  
 flame retardant treatment not provided

acceptance criteria

- |  |   |
|--|---|
| <p>face ignition</p> <ul style="list-style-type: none"> <li>after flame ≤5 seconds for any specimen</li> <li>no flame propagation to the edges for any specimen</li> </ul> | <p>face or edge ignition</p> <ul style="list-style-type: none"> <li>no ignition of cotton wool for any specimen</li> <li>average char length ≤150mm for either test direction</li> <li>no occurrence of a surface flash for more than 100mm from the point of ignition</li> </ul> |
|--|---|

This report is confidential and prepared for the exclusive use of the client to whom they are addressed. It may not be reproduced or published without prior written approval. The results apply only to the samples tested and may not necessarily reflect product performance under actual use. The results are representative of similar goods only to the extent that the sample tested is representative of those goods.



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conclusion

based upon the test results and acceptance criteria listed above, the product identified

- meets the requirements of the FTP code annex 1 part 7
- does not meet the requirements of the FTP code annex 1 part 7

certification statement by signing below, the lab certifies that the results were obtained after testing specimens submitted by the client in accordance to the procedures and equipment specified by the standard stated above.

approved by:

\*The IMO FTP code states that "the test results relate to the behavior of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire haze of the product in use"

appendix

determination of test conditions

flame application time	surface				edge			
	5		15		5		15	
	w	f	w	f	w	f	w	f
after flame (s)	0	0	0	0	0	0	0	0
after glow (s)	0	0	0	0	0	0	0	0
surface flash	n	n	n	n	n	n	n	n
edge reached	n	n	n	n	n	n	n	n
ignition cotton wool	n	n	n	n	n	n	n	n
char length (mm)	53	40	74	55	96	29	106	74

- sustained ignition occurred (after flame  $\geq$ 5 seconds)
- no sustained ignition: testing continued under conditions showing the greatest damaged length