

## Test Certificate 119102 - 1

### Report Details

**Report Number** 119102 - 1      **Service Requested** FAR/JAR CS 25.853 Appendix 1 Part 1 - B4 (12 Second Vertical Test)  
**Date Received** 27-Aug-24      **Date Tested** 04-Sep-24      **Date Issued** 04-Sep-24

### Customer Details

**Company Name** CAMIRA TRANSPORT FABRICS  
**Customer Contact** LUKE RUSSELL      **Company Address** THE WATERMILL  
**Customer Ref/PO** 81A28927      WHEATLEY PARK  
WEST YORKSHIRE  
WF14 8HE

### Sample Details - As Supplied by the Customer

**Sample Description** VITA

#### Fibre Composition

**Quality/Batch Ref** 540421

**Colour** PEACOCK

**Sample End Use** TRANSPORT UPHOLSTERY

**Model Ref**

**Manufacturer**

**Supplier / Buyer**

### Regulation/Specification:

FAR/JAR CS.25.853 Part 1 Appendix F - 12 Vertical Bunsen burner test for interior compartments occupied by crew and passengers

### Test Method:

DOT/FAA/AR-00/12 - Aircraft Materials Fire Test Handbook - Chapter 1 - Vertical Bunsen test for cabin and cargo compartment materials

### Conditioning:

Prior to testing the sample was conditioned immediately before the test for at least 24 hrs in a specified atmosphere of  $21 \pm 3^{\circ}\text{C}$  and  $50 \pm 5\%$  r.h.

### Pass / Fail Criteria:

(a)(1)(ii) – For materials tested to this sub clause the requirements for flame resistance of crew and passenger compartments are that the fabrics shall be self-extinguishing and that the average burn length should not exceed 200 mm, the average flame time should not exceed 15 seconds from removal of the test flame and any flaming droplets should not continue to flame for more than an average of 5 seconds after falling.

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### Test Results

Test Number:	1	2	3	4	5	6
Specimen Direction:	↑	↓	↑	→	←	→
Application Time:	12 Seconds	12 Seconds	12 Seconds	12 Seconds	12 Seconds	12 Seconds
*Flaming Ceased [Secs]:	0	0	0	0	0	0
*Flaming Debris [Secs]:	0	0	0	0	0	0
*Damage Length [mm]:	85	72	84	93	87	66
*Avg Flaming Duration <15 Secs:	0.0			0.0		
*Avg Flaming Debris <5 Secs:	0.0			0.0		
*Avg Damage Length <200mm:	80.3			82.0		
*Avg Damage Length <7.87Inch:	3.16			3.23		
Test Result:	PASS					

**Overall Result: PASS**

The sample supplied meets the requirements of FAR/JAR CS.25.853 Part 1 Appendix F (a) (1) (ii) when tested in accordance with clause (B4) 12 Second Vertical Bunsen test.

Authorised Signature:



**John Furnival**

Processing Manager

Please note: The uncertainty of measurement is taken into account when stating conformance to the specification. The measured value(s) marked\* are compared with the 'acceptance interval' which is determined by reducing the specification limits by the expanded test uncertainty  $U_{k=2}$  (approximately 95% confidence interval). And providing all measured values are within the tolerance limits then such results are declared as "Pass". The Uncertainty budgets are stated for each test method and should be considered when results are on or close to the acceptance limits, and in such cases it should be noted that the risk of false acceptance or false rejection is  $\leq 2.5\%$ . Results outside these limits are declared as 'fail'. All test results issued on this report refer only to the item under test as supplied by the customer. This certificate shall not be reproduced, unless in its entirety, without written approval from IFS Laboratories Ltd

**END OF REPORT**