

TEST CERTIFICATE

No. F21499/1

Testing to S.I. No 1324:1988 (as amended), The Furniture and Furnishings (Fire) (Safety) Regulations
- Schedule 4, Part I, 'The Cigarette Test' and
Schedule 5, Part I, 'The Match Test' using BS 5852 : Part 1 : 1979

SAMPLE INFORMATION

Client **Zimmer + Rohde, Zimmersmuhlenweg 14-18, 61440 Oberursel, Germany.**
Sample type **Fabric**
Details supplied **19590 Fleur de Laine RE**
by the client
Dimensions **100cm by 147cm (Full width)**
Date received **15/12/2021**
Pre-treatment **None - the fabric was stated not to be FR treated**
Conditioning **BS 5852 : 1979, Clause 7**

TESTING

The material was tested according to **BS 5852 : Part 1 : 1979 Methods of test for the ignitability by smokers' materials of upholstered composites for seating.**

The results of BS 5852 : Part 1 : 1979 relate only to the combinations 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.

COMBINATION OF MATERIALS

The sample was tested for Schedule 4, Part I, 'The Cigarette Test', over non-fire retardant polyurethane foam with a density of 20 - 22 kg/m³ as specified in the above Regulations.

The sample was tested for Schedule 5, Part I, 'The Match Test', over non-fire retardant polyurethane foam with a density of 20 - 22 kg/m³ as specified in the above Regulations.

CONCLUSION

The sample received meets the requirements of Schedule 4, Part I, 'The Cigarette Test' of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended) S.I. 1324.

The sample received meets the requirements of Schedule 5, Part I, 'The Match Test' of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended) S.I. 1324.



Mr J Firth
Technical Manager
END OF REPORT

TEST DATA SUMMARY**Schedule 4, Part I - The Cigarette Test**

Specimen number	1	2
Duration of smouldering (min)	20	21
Ignition occurred	No	No
Cover split	No	No
Melting	No	No
Dripping	No	No
Charring	Yes	Yes
Progressive smouldering at 60 minutes	No	No
Result	Pass	Pass

Schedule 5, Part I - The MatchTest

Specimen number	1	2
Time to ignition (sec)	4	4
Duration of flaming (sec)	0	0
Duration of smouldering (sec)	0	0
Cover split	No	No
Melting	No	No
Dripping	No	No
Charring	Yes	Yes
Smouldering at 120 sec.	No	No
Smoke or heat at 15 min.	No	No
Result	Pass	Pass

APPENDIX TO TEST CERTIFICATE

Job number: F21499/1

OVERVIEW

This appendix is to be read in conjunction with the related test certificate. The test certificate gives the details of the test that has been completed and client information.

This appendix shows the decision rule and measurement uncertainty for this job number. If allowing for the measurement uncertainty affects conformity to a specification limit then a modified statement of conformity is reported in this appendix. This indicates the confidence level in the reported result. The decision rule used to make this assessment is also reported.

This method of reporting is a requirement of our accreditation against 17025:2017. This appendix is written using the guidelines shown in the ILAC document, ILAC-G8:09/2019 Guidelines on Decision Rules and Statements of Conformity. This document can be found at https://ilac.org/latest_ilac_news/revised-ilac-g8-published/.

The conformity statements are based on the examples found in the UKAS document LAB 48 Decision Rules and Statements of Conformity.

DECISION RULES

All uncertainties are estimated with a coverage factor of $k = 2$ which equates to a confidence level of approximately 95%.

Some tests have more than one decision rule, any of which may apply depending on the outcome of the test.

Cigarette test, source 0

The pass criteria for this test is smouldering of less than 60 minutes.

Our estimate of measurement uncertainty for this test is ± 2 seconds. This means that a result within 2 seconds of the 60 minute boundary will be reported as uncertain.

Match test, source 1

The pass criteria for these tests is smouldering of less than 60 minutes.

Our estimate of measurement uncertainty for this test is ± 2 seconds. This means that a result within 2 seconds of the 60 minute boundary will be reported as uncertain.

The pass criteria for these tests is flaming of less than 120 seconds.

Our estimate of measurement uncertainty for this test is ± 2 seconds. This means that a result within 2 seconds of the 120 second boundary will be reported as uncertain.

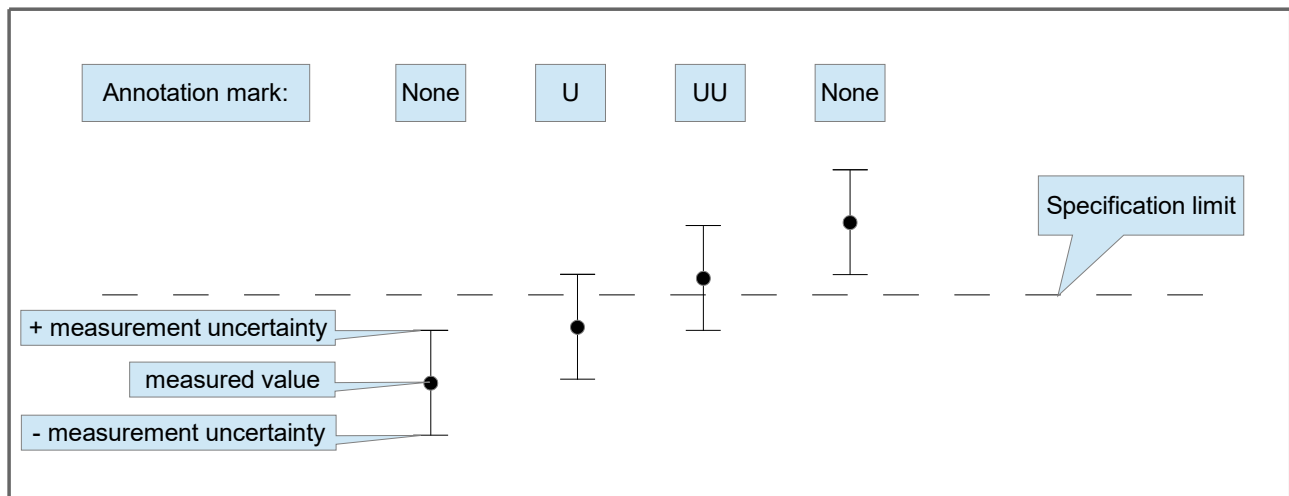
RESULT MODIFIED BY MEASUREMENT UNCERTAINTY

The conclusion statement on the test report is modified as follows:

- The reported conclusion has no annotation mark
 The test result is below the specification limit shown in the test standard even with allowance for the measurement uncertainty. The result does comply with the specification based on the stated level of confidence.
- The reported conclusion is annotated with “**U**”
 The test result is below the specification limit but by a margin less than the measurement uncertainty. It is therefore not possible to state compliance based on the stated level of confidence.
- The reported conclusion is annotated with “**UU**”
 The test result is above the specification limit but by a margin less than the measurement uncertainty. It is therefore not possible to state non-compliance based on the stated level of confidence.
- The reported conclusion has no annotation mark
 The test result is above the specification limit even with allowance for the measurement uncertainty. The result does not comply with the specification based on the stated level of confidence.

Each of these statements is illustrated on the following diagram.

ILLUSTRATION OF POSSIBLE TEST RESULTS



INTERPRETING THE RESULTS

Using the annotation marks described above, the following confidence levels apply to the illustrated result:

- The reported conclusion has no annotation mark
The test is reported as a Pass. The risk of this representing a false Pass result is less than 2.5%.
- The reported conclusion is annotated with “U”
The test is reported as a Conditional Pass. The risk of accepting this result as a false Pass result is up to 50%.
- The reported conclusion is annotated with “UU”
The test is reported as a Conditional Fail. The risk of accepting this result as a false Fail result is up to 50%.
- The reported conclusion has no annotation mark
The test is reported as a fail. The risk of this representing a false Fail result is less than 2.5%.

If you wish to accept the higher level of risk of a false Pass classification, results marked with a single annotation mark “U” could be considered to be a Pass.

If you wish to accept the higher level of risk of a false Fail classification, results marked with an annotation mark “UU” could be considered to be a Fail.

- The reported conclusion has no annotation mark
The test is reported as a Pass. The risk of this representing a false Pass result is less than 2.5%.
- The reported conclusion is annotated with “U”
The test is reported as a Conditional Pass. The risk of accepting this result as a false Pass result is up to 50%.
- The reported conclusion is annotated with “UU”
The test is reported as a Conditional Fail. The risk of accepting this result as a false Fail result is up to 50%.
- The reported conclusion has no annotation mark
The test is reported as a fail. The risk of this representing a false Fail result is less than 2.5%.

If you wish to accept the higher level of risk of a false Pass classification, results marked with a single annotation mark “U” could be considered to be a Pass.

If you wish to accept the higher level of risk of a false Fail classification, results marked with an annotation mark “UU” could be considered to be a Fail.