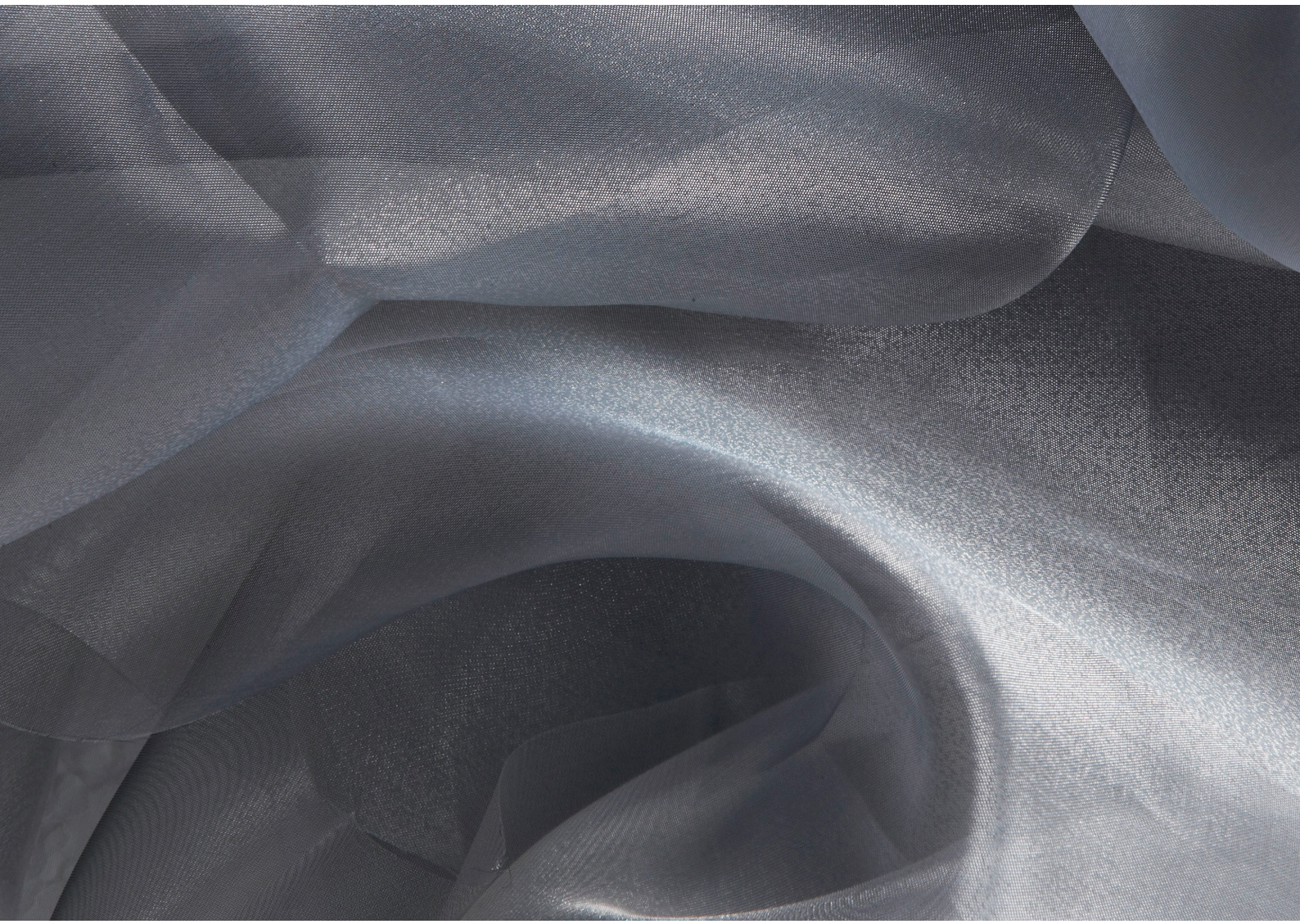
Laser Gauze

Perfect For: • Decorative/Scenic • Film & TV • Stage



J&C Joel

the inspiration behind the performance

Contents

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TECHNICAL

NDFR
Non Durably Flame Retardant
chemically treated with a water solution and if wetted in any way should be retreated

DFR
Durably Flame Retardant
chemically treated to withstand a number of cleanings

IFR
Inherently Flame Retardant
woven from fibres with a high flame retardancy

FR
Flame Retardant
chemically treated to an individual specification

NOT FR
Not Flame Retardant no flame retardant treatment

Confirmation that the fabric meets one or more flame retardant standards

BS5867 BS5867 Pt2 B is the British Standard for flame retardant fabrics used for curtains and drapes

BS5852 BS5852 Pt1 is the British Standard for flammability of upholstered composites for seating

BS4790 BS4790: 1987 Determination of the effects of a small source of ignition on textile floor coverings hot metal nut method (method 1, loose laid)

EN13773: 2003 Meets European fire safety standards for vertically hung fabrics. Burning behavior, ignitability testing of curtain fabric for use in the contract market.

TL 1080-0002/8 German Military Specification for horizontally tested materials

EN14041 Details the requirement for CE Marking of textiles, laminate and resilient floor coverings

BS7905-1:2001 Lifting equipment for performance, broadcast and similar applications.

ATTRIBUTES

Approx roll length of material in linear metres (m) & feet (ft)

Approx width of material in centimetres (cm) & inches (")

Approx weight in grams per metre squared (g/m^2)

Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

BS EN13501-1 Fire Classification of construction, products and building elements. Classification using test data from reaction to fire tests

CFC EN ISO 9239-1 Reaction to fire test. Horizontal surface spread of flame on floor covering system. Determination of the burning behaviour using a retardant heat source

NFPA 701 NFPA 701: (USA) Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

EN9239-1 Reaction to fire tests – horizontal surface spread of flame on floor covering systems

DIN EN1021 Meets European fire safety standards for exposure to different ignition sources, namely a lit cigarette and butane flame. Assessment of the ignitability of upholstered furniture

Datasheet - Fabrics & Flooring

Laser Gauze

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To ensure you get the best from the product supplied to you, we advise you follow the care instructions within this datasheet.

Fabric	**Flame Retardancy**	IFR
	Fire Certification	B5867 Part 2 Type B, B1, IMO, EN13773
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Polyester Trevira CS
	Construction of Fabric	Plain Weave
Chemicals	**Surface Treatments**	Dyed
	Brand Name of Flame Retardant Chemicals	N/A
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	N/A
Care	**Information**	Inherently Flame Retardant to B5867 Part 2 Type B, B1, IMO and EN13773. This means that the man-made fibres are flame retardant for life and if wet, would not need to be re-flameproofed. Therefore, the cloth will withstand wet cleaning but we would advise and suggest professional dry cleaning only, using the correct chemical process. Notwithstanding the aforementioned, it would be our advice to only dry clean this material periodically. We would suggest that the curtain be soft-brushed on a regular basis and periodically cleaned using a vacuum and drapery attachment. This fabric is not pre-shrunk.
	Laundering Treatment	
Notes		

For further information please contact our sales team **sales@jcjoel.com**

BTTG
TESTING • CERTIFICATION • AUDITING

Wira House, West Park Ring Road,
Leeds, LS16 6QL, UK.
Telephone: +44 (0)113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 15 August 2017

Our Ref: **53651-52**
Your Ref: -

Client: J. & C. Joel Limited
Corporation Mill
Corporation Street
Sowerby Bridge
Halifax
HX6 2QQ

Job Title: Surface Ignition Of Curtains & Drapes

Client's Order No: -

Date of Receipt: 16 June 2017
Date of Test Start: 29 June 2017

Description of Sample(s): One sample identified as follows was received for testing:

Laser Gauze, stated to be IFR

Work Requested: We were asked to make the following test:

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds

ilac-MRA UKAS TESTING 1066

Wira House, West Park Ring Road,
Leeds, LS16 6QL, UK.
Telephone: +44 (0)113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 15 August 2017

Our Ref: **53651-52**
Your Ref: -

J. & C. Joel Limited

Sample was identified as follows:

Laser Gauze, stated to be IFR

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds
Testing as received.

Three specimens from both length and width were tested in accordance with BS EN ISO 15025: Procedure A (surface ignition): 2002. The sample was tested at 20 °C and 60 % relative humidity (R.H.).

Each specimen was subjected to an applied flame using propane and a 15 second flame application time. The results obtained (shown in the table below) were assessed according to the requirements of BS 5867: Part 2: 2008 (2015).

Pre-treatment
If the fabric is a pass in the `as received` condition then the fabric is subjected a water soak procedure as specified in BS EN 1021: Annex D: 2006.

Testing after pre-treatment
Three specimens, after pre-treatment, from both length and width were tested following the procedure described above.

Test results relate only to the sample tested.

The results for all tests are given in the table(s) on the following page(s).

Reported by:.....
J Coleman
Fire Technician

Countersigned By:.....
P Doherty
Operational Head

Enquiries concerning this report should be addressed to Customer Services.

1066

Wira House, West Park Ring Road,
Leeds, LS16 6QL, UK.
Telephone: +44 (0)113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 15 August 2017

Our Ref: **53651-52**
Your Ref: -

J. & C. Joel Limited

RESULTS

Sample Ref: Laser Gauze, stated to be IFR

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds
Testing as Received

	Length			Width		
Specimen No.	**1**	**2**	**3**	**4**	**5**	**6**
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming debris separated	No	No	No	No	No	No

Requirements
Any "Yes" means fail except if only one specimen fails a further 6 specimens are tested, if the second 6 specimens all pass the result is a pass.

Result in `as received`: Pass

Testing after pre-treatment

	Length			Width		
Specimen No.	**1**	**2**	**3**	**4**	**5**	**6**
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming debris separated	No	No	No	No	No	No

Requirements
Any "Yes" means fail except if only one specimen fails a further 6 specimens are tested, if the second 6 specimens all pass the result is a pass.

Result in `after pre-treatment`: Pass

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Your Ref: -

J. & C. Joel Limited

Conclusion
The fabric meets the Type B performance requirements of BS 5867: Part 2: 2008 (2015).

This material should be identified with the manufacturers name, trademark or other identifying mark, the statement `Flammability complies with the requirements of BS 5867: Part 2: Type B and instructions of any special precautions to be taken concerning care (including cleansing) of the curtain, drape or window blind to be manufactured from the fabric, preferably using an appropriate care labelling symbol in accordance with BS EN 23758 and taking account of the pre-treatment using in this test and the requirements of Clause 4 of BS 5867: Part 2: 2008 (2015). If the fabric is unsuitable for cleansing, this shall be stated.

Uncertainty Budget
There is no uncertainty budget associated with BS 5867: Part 2: Type B as no measurements are determined, the pass/fail criteria is assessed visually.

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Fire Test Certificate – Specimen

Fabric: Laser Gauze
Type: M1

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Application for approval of the trademark TREVIRA®

	Name / Signature	24.03.2014	
Trademark		Trevira CS	
Article		17008	
End Use		Net Curtains	
Other uses		Please Test for B1 and M1.	
Composition		100 % Trevira CS	
Fabric weight (g/sm)		18	
Yarn Details		**Warp**	
Yarn titre/ count		22 dtex	
Trevira Type		--	
Yarn supplier		Padana	
		Weft 1	**Weft 2**	**Weft 3**
Yarn titre/ count		22 dtex	--	--
Trevira Type		--	--	--
Yarn supplier		Padana		

Approval: 11.04.2011
(This Trademark approval is valid for a period of 5 years from the date of issue).
The tested article 17008 with application no. 110594 is granted approval for the trademark Trevira CS.

This article has been tested according to DIN 4102 part 1 and qualifies for class B1.

This article can meet the requirements for class M1 according to the French standard NF P 92-503-507.

Thus meets also the requirements for class 1 according to the Italian Standards UNI VF 8456 and UNI VF 8457.

Trevira CS curtains and drapes meet the requirements of class 1 according to EN 13773.
Certificate No.: 13-059 issued by TZU, Czech Republic, dated 30.08.2013.

24.03.2014 Heidi-Lays

Fire Test Certificate – Specimen

Fabric: Laser Gauze
Type: B1

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Application for approval of the trademark TREVIRA®

	Name / Signature	24.03.2014	
Trademark		Trevira CS	
Article		17008	
End Use		Net Curtains	
Other uses		Please Test for B1 and M1.	
Composition		100 % Trevira CS	
Fabric weight (g/sm)		18	
Yarn Details		**Warp**	
Yarn titre/ count		22 dtex	
Trevira Type		--	
Yarn supplier		Padana	
		Weft 1	**Weft 2**	**Weft 3**
Yarn titre/ count		22 dtex	--	--
Trevira Type		--	--	--
Yarn supplier		Padana		

Approval: 11.04.2011
(This Trademark approval is valid for a period of 5 years from the date of issue).
The tested article 17008 with application no. 110594 is granted approval for the trademark Trevira CS.

This article has been tested according to DIN 4102 part 1 and qualifies for class B1.

This article can meet the requirements for class M1 according to the French standard NF P 92-503-507.

Thus meets also the requirements for class 1 according to the Italian Standards UNI VF 8456 and UNI VF 8457.

Trevira CS curtains and drapes meet the requirements of class 1 according to EN 13773.
Certificate No.: 13-059 issued by TZU, Czech Republic, dated 30.08.2013.

24.03.2014 Heidi-Mays

Fire Test Certificate – Specimen

Fabric: Laser Gauze
Type: EN13773

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Application for approval of the trademark TREVIRA®

	Name / Signature	24.03.2014	
Trademark		Trevira CS	
Article		17008	
End Use		Net Curtains	
Other uses		Please Test for B1 and M1.	
Composition		100 % Trevira CS	
Fabric weight (g/sm)		18	
Yarn Details		**Warp**	
Yarn titre/ count		22 dtex	
Trevira Type		--	
Yarn supplier		Padana	
		Weft 1	**Weft 2**	**Weft 3**
Yarn titre/ count		22 dtex	--	--
Trevira Type		--	--	--
Yarn supplier		Padana		

Approval: 11.04.2011
(This Trademark approval is valid for a period of 5 years from the date of issue).
The tested article 17008 with application no. 110594 is granted approval for the trademark Trevira CS.

This article has been tested according to DIN 4102 part 1 and qualifies for class B1.

This article can meet the requirements for class M1 according to the French standard NF P 92-503-507.

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24.03.2014 Heidi-Lays

Fire Test Certificate – Specimen

Fabric: Laser Gauze
Type: IMO

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Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 9 August 2019

Our Ref: 56680-1
Your Ref: 57584

Client: J. & C. Joel Limited
Corporation Mill
Corporation Street
Sowerby Bridge
Halifax
HX6 2QQ

Job Title: Fire Test on One Sample of Fabric

Client's Order No: 57584

Date of Receipt: 30 July 2019

Description of Sample(s): One sample of fabric, referenced;
Laser Gauze, stated to be 100% polyester Trevira CS

Work Requested: We were asked to make the following test(s):

IMO FTP Code 2010 Part 7

* subcontracted test, UKAS accredited
** subcontracted test, EN ISO/IEC 17025 accredited
*** not UKAS accredited

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Fire Test Certificate – Specimen

Fabric: Laser Gauze
Type: IMO

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Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 9 August 2019

Our Ref: 56680-1
Your Ref: 57584

Client: J. & C. Joel Limited

Product Description

Company Name	J. & C. Joel Ltd
Type of Material, i.e. Curtain, Drape, etc.	Curtain/Drapery Fabrics
Name and/or Identification of the Product Tested	Laser Gauze
Mass per Unit Area (g/m^2)	22gsm
Thickness (mm)	0.50mm
Colour and Tone (i)	Silver Grey
Quantity and Number of Any Coating	None
Method and Quantity of Fire Retardant Treatment	Inherent flame retardant
Materials of the Product and its Composite Ratio (ii)	100% IFR Polyester
Composition of Weave (iii)	Plain weave
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	Not supplied by client
Yarn Number Count	Not supplied by client

(i) If the product has a pattern, the representative colour shall be described.
(ii) Such as wool, nylon, polyester, etc.
(iii) Such as plain, weave, twilled;

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Fire Test Certificate – Specimen

Fabric: Laser Gauze
Type: IMO

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Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
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Date: 9 August 2019

Our Ref: 56680-1
Your Ref: 57584

Client: J. & C. Joel Limited

FIRE TESTS ACCORDING to IMO FTP Code 2010:Part 7
Test for Vertically Supported Textiles and Films

Cleaning Procedure
The sample received no pre-treatment as the fabric is stated to be inherently flame retardant.

Conditioning
The sample was conditioned for 72 hours in the standard atmosphere for conditioning textiles of 20± 5°C and 65 ± 5% R.H.

Procedure

The sample was tested in accordance with IMO FTP Code 2010:Part 7. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

A 40mm high propane gas flame was applied to the face of 5 warp and 5 weft specimens for 15 seconds.

The after-flame time, length of char, existence of surface flashing and ignition of cotton waste from drops were recorded.

Requirements

The Performance Criteria for Curtains and Drapes states that: Products which show any of the following characteristics obtained by the fire test in appendix 1, shall be considered unsuitable for use as curtains, drapes or free-hanging fabric product for use in rooms containing furniture and furnishings of restricted fire risk as defined in the relevant regulations of chapter II-2 of the Convention:-.

1. An after-flame time greater than 5 sec for any of the 10 or more specimens tested with surface application of the pilot flame.
2. Burn through to any edge of any of the 10 or more specimens tested with surface application of the pilot flame.
3. Ignition of cotton wool below specimen in any of the 10 or more specimens tested.
4. An average char length in excess of 150mm observed in any of the 10 or more specimens tested by either surface or edge ignition; and
5. The occurrence of a surface flash propagating more than 100mm from the point of ignition with or without charring of the base fabric.

If it is found that either or both of the batches of five specimens cut in both warp and weft directions fail to meet one or more of the criteria specified in subparagraphs .1 to .3 and .5 above because of poor performance of only one of the five specimens tested, one complete retest of a similar batch is permitted. Failure of the second batch to meet any of the criteria shall provide the basis for rejection of the fabric for use.

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Fire Test Certificate – Specimen

Fabric: Laser Gauze
Type: IMO

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Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
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Website: www.bttg.co.uk

Date: 9 August 2019

Our Ref: 56680-1
Your Ref: 57584

Client: J. & C. Joel Limited

As Received

	After flame time (s)		Char length (mm)		Flaming to edge (yes or No)		Ignition of Cotton Wool from Flaming Drops (Yes or No)		Surface Flashing (Yes or No), if yes, Propagation Length (mm)	
	Warp	Weft	Warp	Warp	Weft	Weft	Warp	Weft	Warp	Weft
	0	0	71	78	No	No	No	No	No	No
	0	0	56	60	No	No	No	No	No	No
	0	0	52	70	No	No	No	No	No	No
	0	0	68	52	No	No	No	No	No	No
	0	0	66	69	No	No	No	No	No	No
Mean	0	0	63	66						

Comment

The results indicate the sample meets the requirements according to IMO 2010 FTP Code, Part 7.

This report relates only to the samples submitted and as described in the report.

Uncertainty of measurement has not been taken into account when presenting the test result. The relevant uncertainty value is included as an annex which forms an integral part of the report.

Reported by:.....
B Bland
Laboratory Technician

Countersigned By:.....
P Doherty
Manager

1066

Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 9 August 2019

Our Ref: 56680-1
Your Ref: 57584

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Client: J. & C. Joel Limited

Uncertainty Budget - Annex

The overall uncertainty budget IMO FTP Code 2010:Part 7 is as follows:-

Measurements:	±1mm
Duration of Flaming:	±0.5 seconds

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UK
J&C Joel United Kingdom - HQ
uksales@jcjoel.com

EU
J&C Joel Europe
eusales@jcjoel.com

ME
J&C Joel Middle East
uaesales@jcjoel.com

VN
J&C Joel Vietnam
asiasales@jcjoel.com

MO
J&C Joel Macau
asiasales@jcjoel.com

HK
J&C Joel Hong Kong
asiasales@jcjoel.com