



## No. 1189070.4

(Please quote this number in all correspondence)

CLIENT:  
At Work  
PO Box 37 378  
Parnell, Auckland

SAMPLE RECEIVED FROM:  
At Work

Date Received: 3.8.17

SAMPLE DESCRIPTION:  
Beige woven fabric – Orion, 100% Polyester, 557  
grams lineal meter.  
End use – Panel & Upholstery

Client Order No.:

Client Reference:

1 of 8

### AS/NZS 3837-1998 – Method of Test for Heat and Smoke Release Rates for Materials and Products using Oxygen Consumption Calorimeter

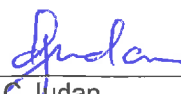
	Specimens			Mean
	1	2	3	
Average Heat Release:	34.0	32.1	33.7	33.3 kW/m <sup>2</sup>
Average Specific Extinction Area: (According to Specification C1.10 of the Building Code of Australia)	61.5	61.2	61.8	61.5 m <sup>2</sup> /kg
Group Number Classification: (In Accordance with AS 5637.1-2015)				1

Test Orientation: Horizontal

	Specimens			Mean
	1	2	3	
Irradiance	50	50	50	50 kW/m <sup>2</sup>
Exhaust Flow Rate	24	24	24	24 L/sec.
Time to Sustained Flaming	124	115	124	121 sec.
Test Duration	366	372	369	369 sec.
Peak Heat Release After Ignition	104.4	101.4	98.5	101.4 kW/m <sup>2</sup>
Average Heat at 60 s	75.9	74.1	77.8	75.9 kW/m <sup>2</sup>
Average Heat at 180 s	40.6	40.0	40.0	40.2 kW/m <sup>2</sup>
Average Heat at 300 s	34.0	32.1	33.6	33.2 kW/m <sup>2</sup>
Total Heat Released	8.2	8.2	8.2	8.2 MJ/m <sup>2</sup>
Ave. Effective Heat of Combustion	6.4	6.0	6.3	6.2 MJ/kg
Initial Thickness	6.5	6.5	6.5	6.5 mm
Initial Mass	89.1	89.4	89.3	89.3 g
Mass Remaining	75.0	74.4	74.6	74.7 g
Mass Percentage Pyrolysed	15.8	16.8	16.5	16.4%
Mass Loss	14.1	15.0	14.7	14.6 g
Average Rate of Mass Loss	5.3	5.4	5.3	5.4 g/m <sup>2</sup> .s

**"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"**  
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer  
Signatory

  
C Judan  
Signatory

06/09/2017

New Zealand Wool Testing Authority Ltd

Cnr Bridge & Lever Streets, PO Box 12065

Akauriri, Napier 4144, New Zealand

T +64 6 835 1086, F +64 6 835 6473 Email: testing@nzwta.co.nz



**No. 1189070.4**

(Please quote this number in all correspondence)

CLIENT:  
At Work  
PO Box 37 378  
Parnell, Auckland

SAMPLE RECEIVED FROM:  
At Work

Date Received: 3.8.17

SAMPLE DESCRIPTION:  
Beige woven fabric – Orion, 100% Polyester, 557  
grams lineal meter.  
End use – Panel & Upholstery

Client Order No.:

Client Reference:

2 of 8

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be sole criterion for assessment of performance under real fire conditions.

The results of these fire tests may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of the fire hazard under all fire conditions.

Samples were loose laid onto a substrate of 6mm thick cement sheeting prior to testing.


Tests were conducted with a wire grid placed over the sample during testing. This was done to contain intumescent sample within the sample holder.

This test was carried out by a sub-contracted laboratory.

**"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"**

Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer  
Signatory

  
C Judan  
Signatory

06/09/2017

**New Zealand Wool Testing Authority Ltd**

Cnr Bridge & Lever Streets, PO Box 12065

Ahuriri, Napier 4144, New Zealand

T +64 6 835 1086, F +64 6 835 6473 Email: testing@nzwta.co.nz



## No. 1189070.4

(Please quote this number in all correspondence)

CLIENT:  
At Work  
PO Box 37 378  
Parnell, Auckland

SAMPLE RECEIVED FROM:  
At Work

Date Received: 3.8.17

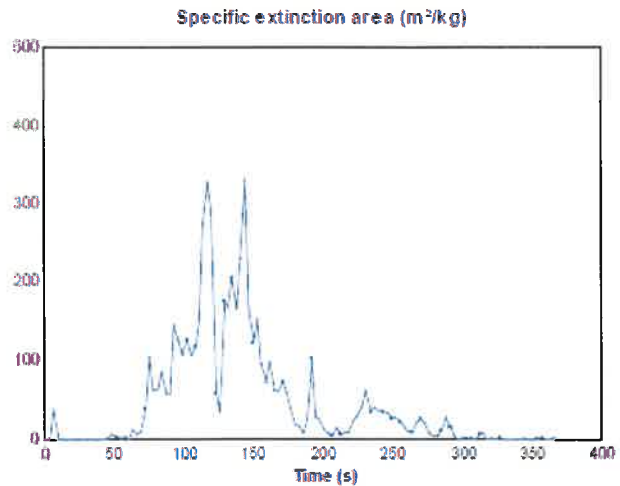
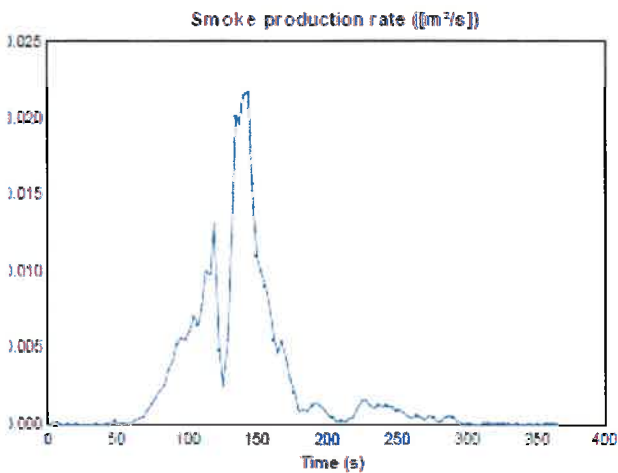
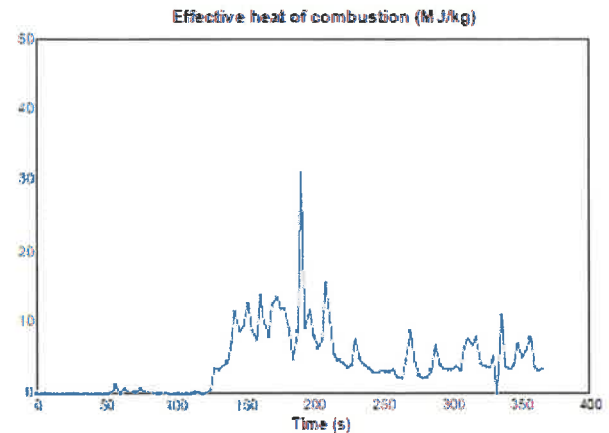
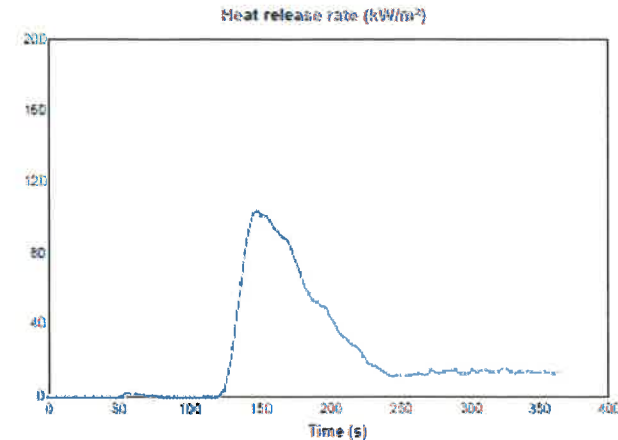
SAMPLE DESCRIPTION:  
Beige woven fabric – Orion, 100% Polyester, 557  
grams lineal meter.  
End use – Panel & Upholstery

Client Order No.:

Client Reference:

3 of 8

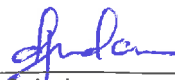
Specimen : 1



**"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"**

Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer  
Signatory



C Judan  
Signatory

06/09/2017

**New Zealand Wool Testing Authority Ltd**

Cnr Bridge & Lever Streets, PO Box 12065

Ahuriri, Napier 4144, New Zealand

T +64 6 835 1086, F +64 6 835 6473 Email: testing@nzwta.co.nz



## No. 1189070.4

(Please quote this number in all correspondence)

CLIENT:  
At Work  
PO Box 37 378  
Parnell, Auckland

SAMPLE RECEIVED FROM:  
At Work

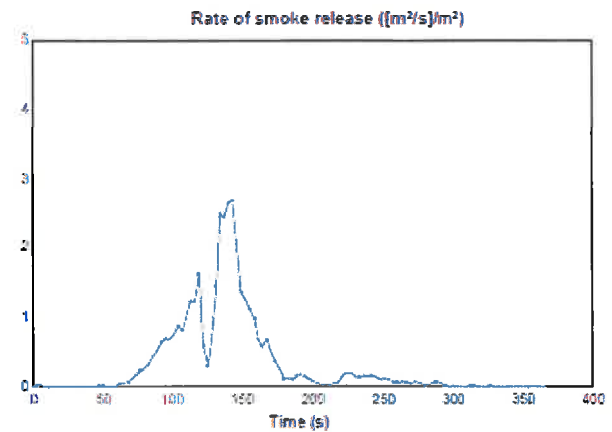
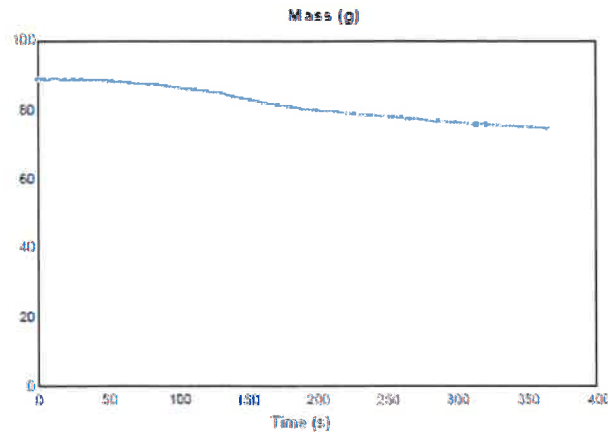
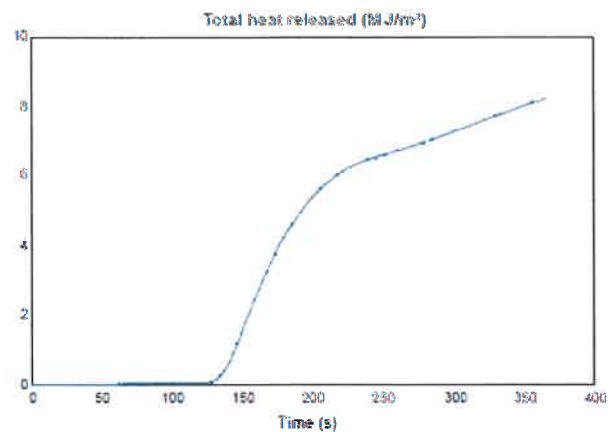
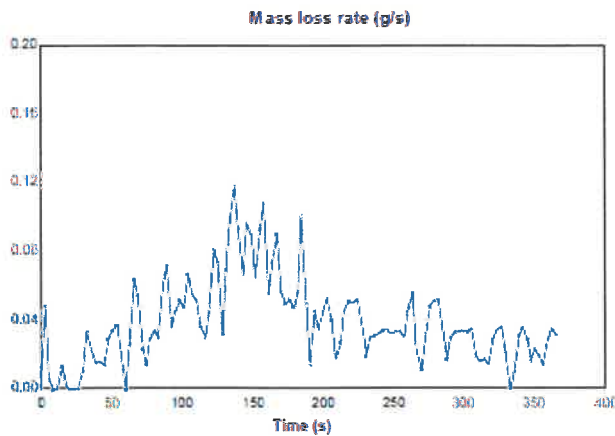
Date Received: 3.8.17

SAMPLE DESCRIPTION:  
Beige woven fabric – Orion, 100% Polyester, 557  
grams lineal meter.  
End use – Panel & Upholstery

Client Order No.:

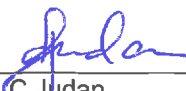
Client Reference:

4 of 8



**"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"**  
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer  
Signatory

  
C Judan  
Signatory

06/09/2017



**No. 1189070.4**

(Please quote this number in all correspondence)

CLIENT:  
At Work  
PO Box 37 378  
Parnell, Auckland

SAMPLE RECEIVED FROM:  
At Work

Date Received: 3.8.17

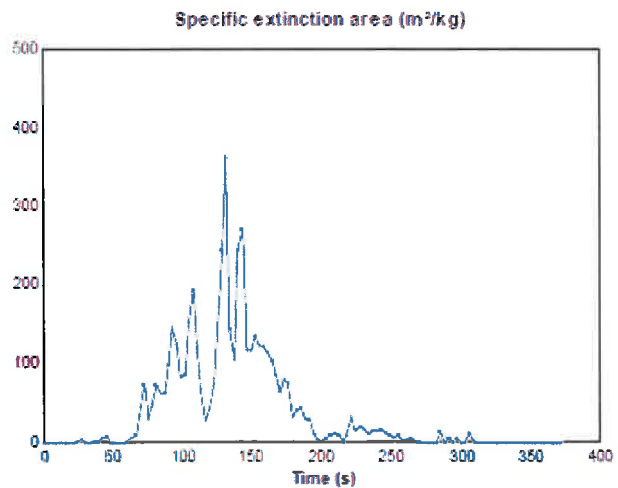
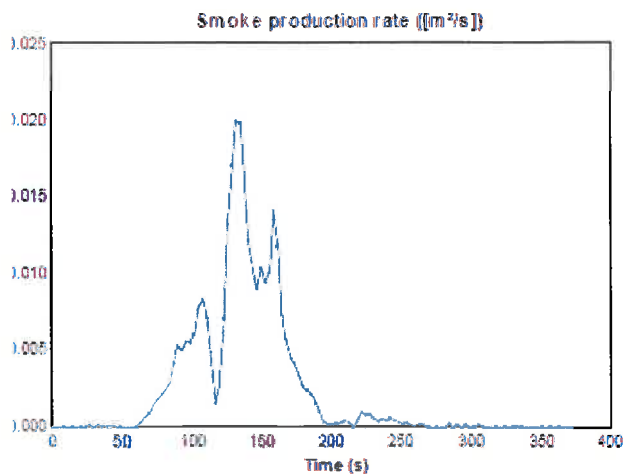
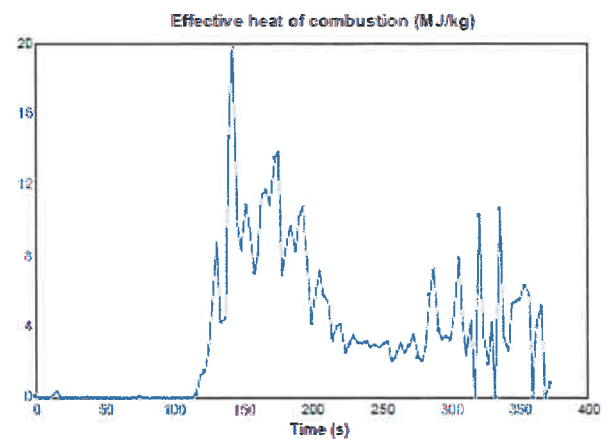
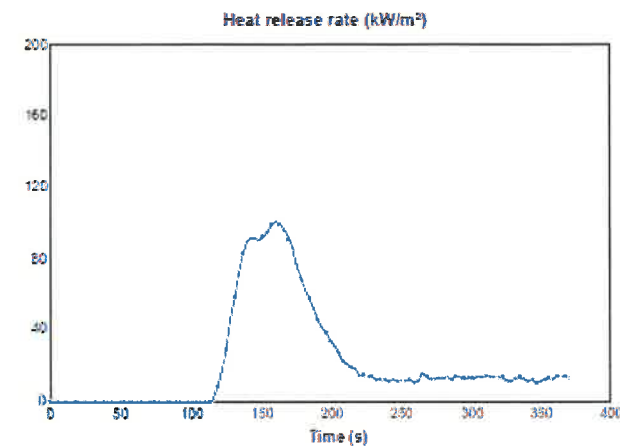
SAMPLE DESCRIPTION:  
Beige woven fabric – Orion, 100% Polyester, 557  
grams linear meter.  
End use – Panel & Upholstery

Client Order No.:

Client Reference:

5 of 8

Specimen : 2



**"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"**  
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer  
Signatory

C Judan  
Signatory

06/09/2017

**New Zealand Wool Testing Authority Ltd**

Cnr Bridge & Lever Streets, PO Box 12065

Ahuriri, Napier 4144, New Zealand

T +64 6 835 1086, F +64 6 835 6473 Email: testing@nzwta.co.nz



**No. 1189070.4**

(Please quote this number in all correspondence)

CLIENT:  
At Work  
PO Box 37 378  
Parnell, Auckland

SAMPLE RECEIVED FROM:  
At Work

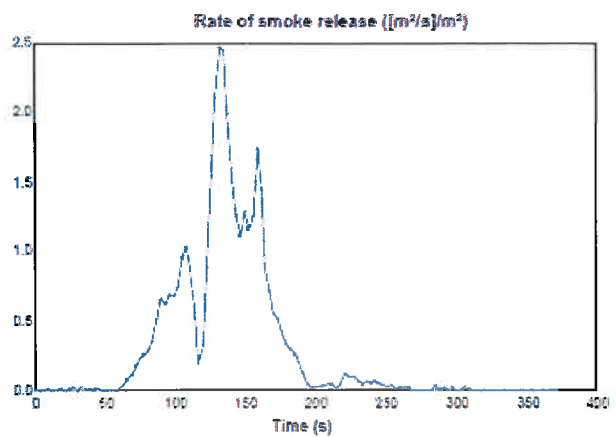
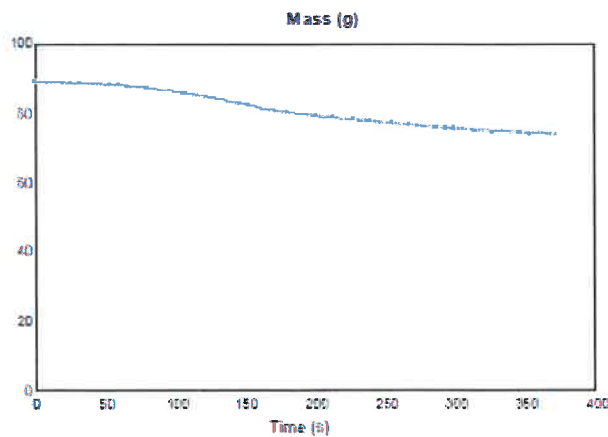
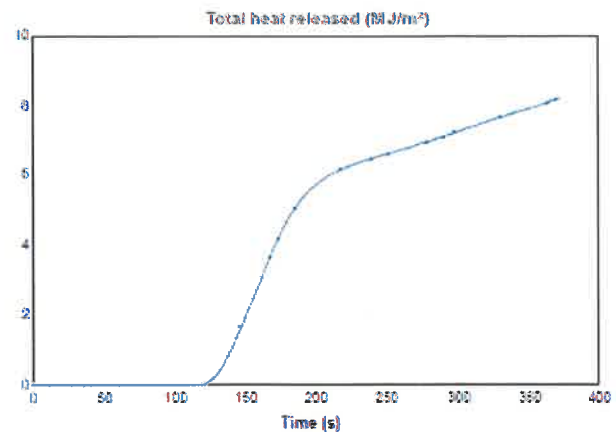
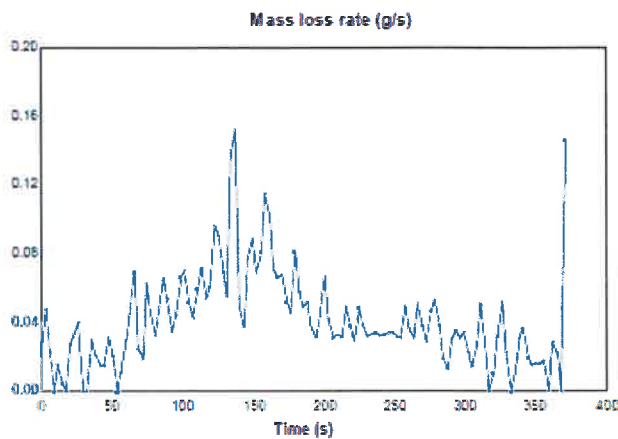
Date Received: 3.8.17

SAMPLE DESCRIPTION:  
Beige woven fabric – Orion, 100% Polyester, 557  
grams lineal meter.  
End use – Panel & Upholstery

Client Order No.:

Client Reference:


6 of 8



**"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"**

Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer  
Signatory

  
C Judan  
Signatory

06/09/2017

**New Zealand Wool Testing Authority Ltd**

Cnr Bridge & Lever Streets, PO Box 12065

Ahuriri, Napier 4144, New Zealand

T +64 6 835 1086, F +64 6 835 6473 Email: testing@nzwta.co.nz



**No. 1189070.4**

(Please quote this number in all correspondence)

CLIENT:  
At Work  
PO Box 37 378  
Parnell, Auckland

SAMPLE RECEIVED FROM:  
At Work

Date Received: 3.8.17

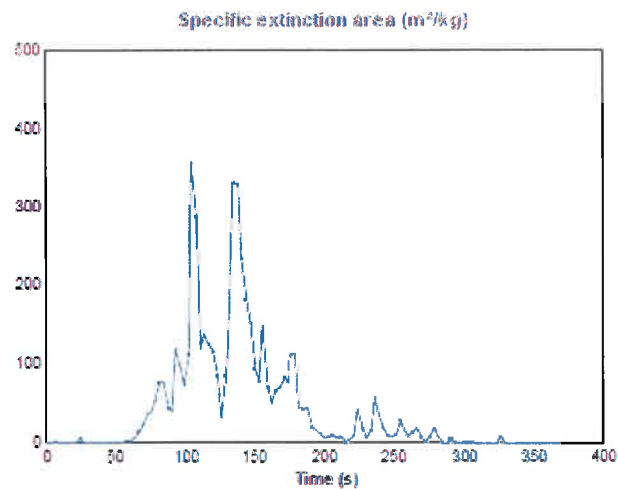
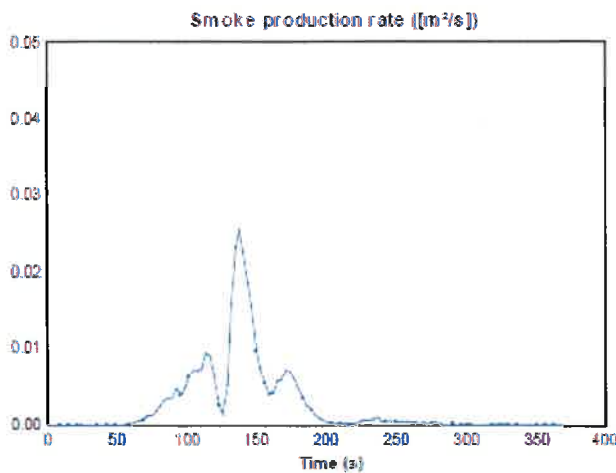
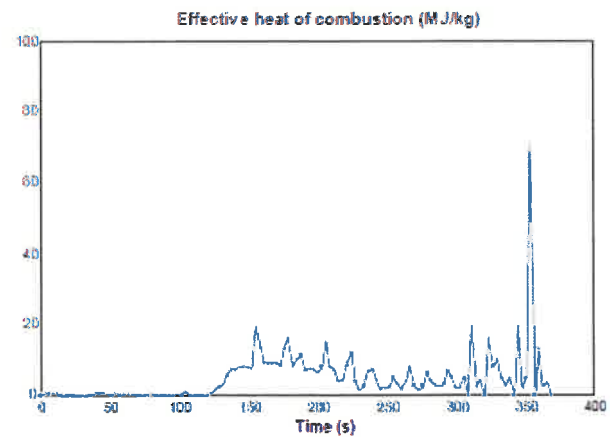
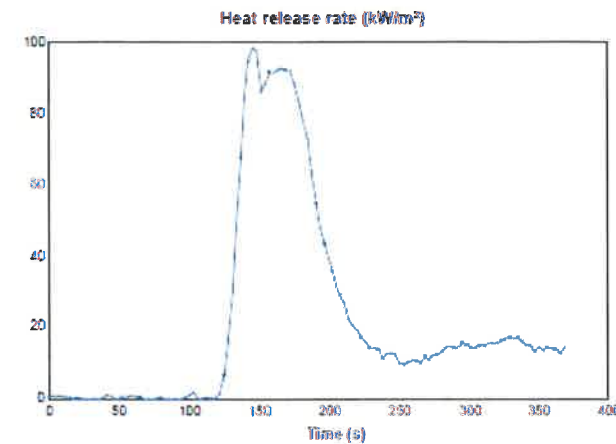
SAMPLE DESCRIPTION:  
Beige woven fabric – Orion, 100% Polyester, 557  
grams lineal meter.  
End use – Panel & Upholstery

Client Order No.:

Client Reference:

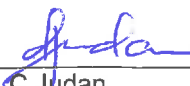
7 of 8

Specimen : 3



**“THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED”**  
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer  
Signatory



C Judan  
Signatory

06/09/2017

**New Zealand Wool Testing Authority Ltd**

Cnr Bridge & Lever Streets, PO Box 12055

Ahuriri, Napier 4144, New Zealand

T +64 6 835 1086, F +64 6 835 6473 Email: testing@nzwta.co.nz





**No. 1189070.4**

(Please quote this number in all correspondence)

CLIENT:  
At Work  
PO Box 37 378  
Parnell, Auckland

SAMPLE RECEIVED FROM:  
At Work

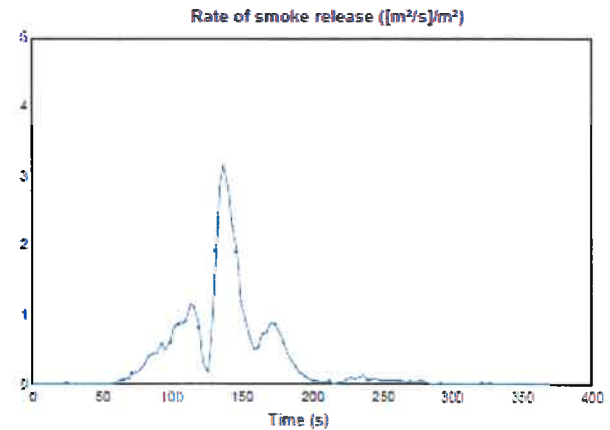
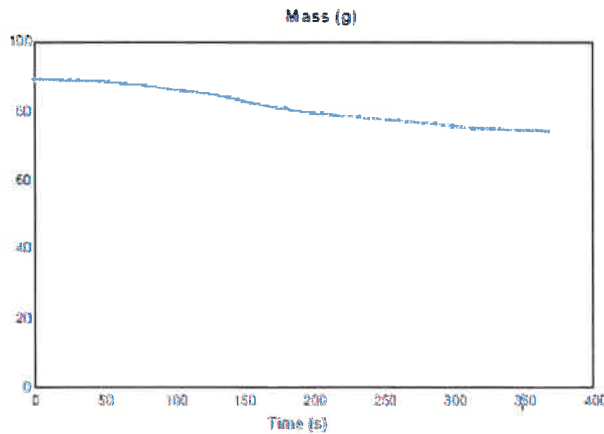
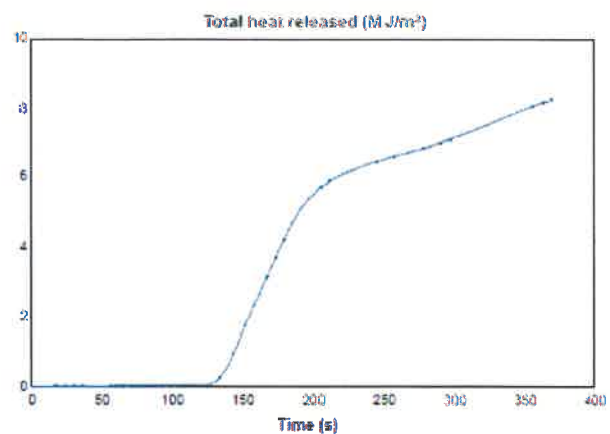
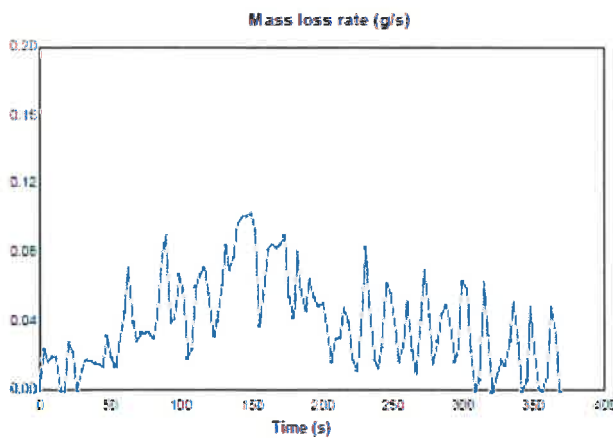
Date Received: 3.8.17

SAMPLE DESCRIPTION:  
Beige woven fabric – Orion, 100% Polyester, 557  
grams lineal meter.  
End use – Panel & Upholstery

Client Order No.:

Client Reference:

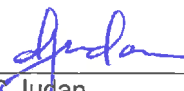
8 of 8



**“THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED”**

Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer  
Signatory



C Judan  
Signatory

06/09/2017

**New Zealand Wool Testing Authority Ltd**

Cnr Bridge & Lever Streets, PO Box 12065

Ahuriri, Napier 4144, New Zealand

T +64 6 835 1096, F +64 6 835 6473 Email: testing@nzwta.co.nz