



HIGH VISIBILITY MATERIAL

TEST REPORT

Sample As Received	Reference: 1906.4:2010 Class NF	Order #: Not Supplied
Report No: 180736	Date Received: 16/07/2018	Date Completed: 30/07/2018
Client: FLAMESAFE MAXISOFT LTD	Telephone: +61 400 445 544	Submitted: Peter Bloom
Address: Royal Road, Tombeau Bay 21733 M		

Sample Description: Modacrylic Cotton 340gsm Fleece – Yellow in colour, sample as received.

Supplier: Not Supplied

Test Description	Method
Class NF Material	AS/NZS 1906.4:2010 / Amdt 1:2014

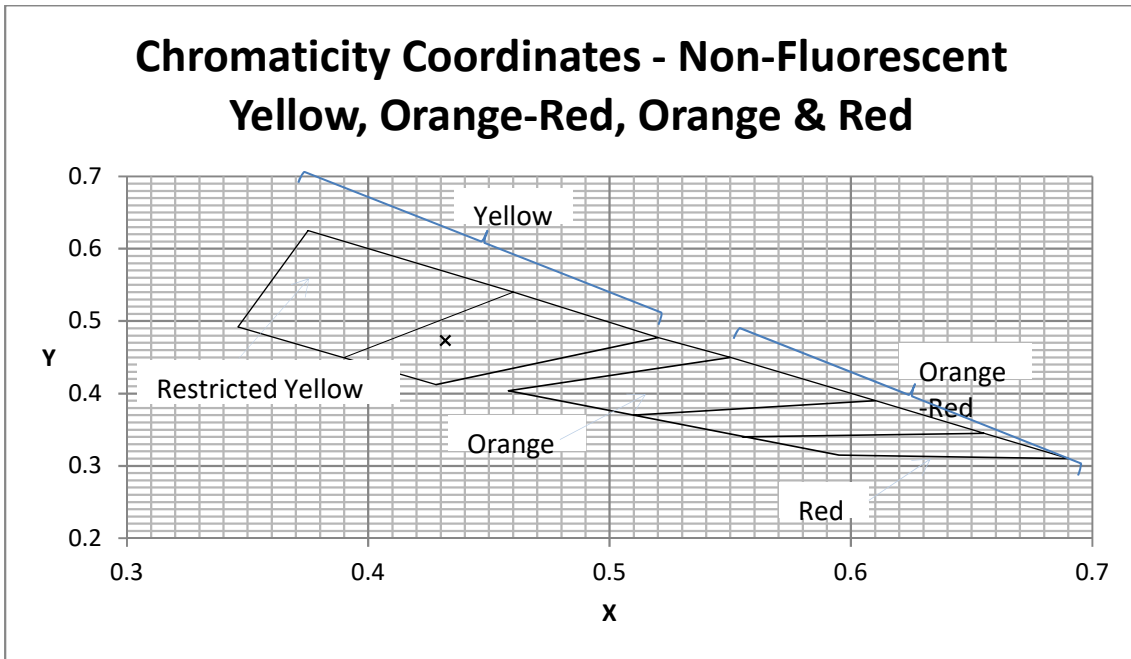
Clause 2.4	Non-Fluorescent Colour
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Appendix A	Daylight Colour & Luminance Factor
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CIE Chromaticity coordinates (x, y) of the corners of the colour spaced for high daytime visibility materials and luminance β for yellow, orange-red and red non-fluorescent colours

Colour	Chromaticity Coordinates				Minimum Luminance Factor β min
	X		Y		
Non-Fluorescent Orange-Red	0.690, 0.595, 0.458, 0.550	0.310, 0.315, 0.404, 0.450			0.15
Non-Fluorescent Yellow	0.520, 0.428, 0.346, 0.375	0.477, 0.412, 0.492, 0.625			0.40
Non-Fluorescent Red	0.655, 0.555, 0.595, 0.690	0.345, 0.340, 0.315, 0.310			0.15
Non-Fluorescent Orange	0.610, 0.550, 0.458, 0.506	0.390, 0.450, 0.404, 0.371			0.30
Non-Fluorescent Yellow Restricted	0.460, 0.390, 0.346, 0.375	0.540, 0.450, 0.492, 0.625			0.40

Result	Chromaticity Coordinates		Luminance Factor β min	Compliance
	X	Y		
Dry - Chromaticity	0.432	0.473	-	Compliance
Dry - Luminance	-	-	0.63	Compliance



The above results apply only to the samples tested. The samples have been tested in accordance with Appendix A on the "Pocket spec Colour Q.A Serial 101483" using a D65 illuminant and a viewing angle of 45°/0° degrees. Verified by Colour Q.A 4.2, AS 2700 Colour matrix, \*as per VL Q.A manual, in addition too, OL 756 Portable UV-VIS Spectroradiometer. It has been established that different Spectroradiometers, Spectrophotometers and tri-stimulus Colorimeters will give different results on the same fabric. The results above apply only to the colorimeter and conditions under which they were measured.



NATA Accredited Laboratory  
Number: 14722

Accredited for compliance with ISO/IEC 17025 - Testing

The results of the tests, calibrations and/or measurements in this document are traceable to Australian National Standards.

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**AUTHORISED SIGNATORY:**

*R.A. Vickery*  
R.A. Vickery

Legend:  
NA = Not Applicable  
NT = Not Tested  
NS = Not Supplied  
TBA = To Be Ascertained





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TEST REPORT

Clause 2.5.1	Colourfastness after UV Exposure
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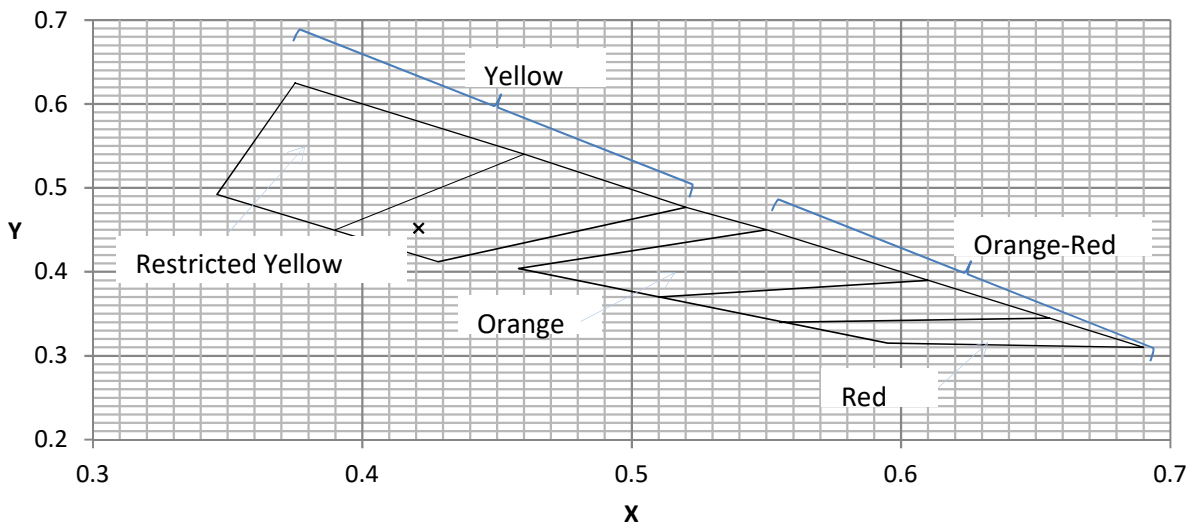
Appendix A	Daylight Colour & Luminance Factor
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CIE Chromaticity coordinates (x, y) of the corners of the colour spaced for high daytime visibility materials and luminance  $\beta$  for yellow, orange-red and red non-fluorescent colours

Colour	Chromaticity Coordinates				Minimum Luminance Factor $\beta$ min
	X		Y		
Non-Fluorescent Orange-Red	0.690, 0.595, 0.458, 0.550	0.310, 0.315, 0.404, 0.450			0.15
Non-Fluorescent Yellow	0.520, 0.428, 0.346, 0.375	0.477, 0.412, 0.492, 0.625			0.40
Non-Fluorescent Red	0.655, 0.555, 0.595, 0.690	0.345, 0.340, 0.315, 0.310			0.15
Non-Fluorescent Orange	0.610, 0.550, 0.458, 0.506	0.390, 0.450, 0.404, 0.371			0.30
Non-Fluorescent Yellow Restricted	0.460, 0.390, 0.346, 0.375	0.540, 0.450, 0.492, 0.625			0.40

Result	Chromaticity Coordinates		Luminance Factor $\beta$ min	Compliance
	X	Y		
Dry - Chromaticity	0.421	0.452	-	Compliance
Dry - Luminance	-	-	0.59	Compliance

### Chromaticity Coordinates - Non-Fluorescent Yellow, Orange-Red, Orange & Red



The above results apply only to the samples tested. The samples have been tested in accordance with Appendix A on the "Pocket spec Colour Q.A Serial 101483" using a D65 illuminant and a viewing angle of 45°/0° degrees. Verified by Colour Q.A 4.2, AS 2700 Colour matrix, as per VL.Q.A manual, in addition too, OL 756 Portable UV-VIS Spectroradiometer. It has been established that different Spectroradiometers, Spectrophotometers and tri-stimulus Colorimeters will give different results on the same fabric. The results above apply only to the colorimeter and conditions under which they were measured.

Clause	Method	Description	Requirement	Result	Compliance
2.5.2	AS 2001.4.15	Colour Fastness to Washing			
			Sample	≥ 4	5
		Cloth	≥ 4	4	Compliance

Clause	Method	Description	Requirement	Result	Compliance
2.5.3	AS 2001.4.17	Colour Fastness to Perspiration			
			Acid		
		Sample	≥ 4	4	Compliance
		Cloth	≥ 4	4	Compliance
		Alkaline			
		Sample	≥ 4	4	Compliance
		Cloth	≥ 4	5	Compliance

NOTE: Material supplied complies with AS 1906.4 Class NF.



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