

TEST REPORT

ORAFOL Europe GmbH
Attention: Mr. J. Ewald
Regulatory Affairs Manager
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Your Ref: Oralite HIP 5910
Our ref: EE 749 (G)
Enquiries: A. Rocha
Tel: 012 428 6365
Date: 04 February 2015
Report No: 2330/ EE 749 (G)
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TESTING TO STANDARD SANS 1519-1: 2014 (EDITION 2.3)
"RETRO-REFLECTIVE SHEETING MATERIAL"
AFTER THREE YEARS OF NATURAL WEATHERING CYCLE (PART B)

0. CONCLUSION

The sample complied with the requirements for coefficient of retro-reflection and colour and luminance factor as per class III requirements, as requested in clause 4, after three years of natural weathering exposure cycle (Part B), as specified in standard SANS 1519-1: 2014 (Edition 2.3).

1. SAMPLE DESCRIPTION

TABLE 1 – SAMPLE DESCRIPTION

Sample description	Colours
Oralite HIP, series 5910 Class III	white
	yellow
	red
	green
	blue
	brown

2. SAMPLE SUBMITTED

The sample was received in a condition suitable for testing.

Date sample received : 28 November 2011
Testing starting date : 28 November 2011
Testing completion date : 04 February 2015

3. TEST METHOD

The tests were conducted in accordance with the test methods of standard SANS 1519- Part 1: 2014 (Edition 2.3).

SANAS Accredited Testing Laboratory No. T0085

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4. TESTS REQUESTED

Coefficient of retro-reflection and colour and luminance factor checks at six-monthly intervals for a period of three years, as requested in the standard.

5. TEST RESULTS**TABLE 2 – TEST RESULTS**

Description of requirements	Clauses	Test results
Natural weathering - after 3 years (visual appearance)	4.3.1	Complied
Coefficient of retro-reflection	4.3.1	Complied See attachments
Colour and luminance factor	4.3.1	Complied See attachments and luminance factors on Table 3

TABLE 3 – LUMINANCE FACTOR

Colours	Luminance factor	Standard
white	0,46	$\geq 0,27$
yellow	0,28	$\geq 0,16$
red	0,07	$\geq 0,03$
green	0,07	$\geq 0,03$
blue	0,04	$\geq 0,01$
brown	0,04	$\geq 0,03 \leq 0,09$

6. SUBCONTRACTING OF SABS LABORATORIES

None.

7. EXCLUSIONS

None.

8. UNCERTAINTY OF MEASUREMENT

The estimated uncertainty of measurement of the photometric measurement is approximately 5, 16 % for a 94, 84% level of confidence.

9. NOTE

The sample was exposed for a period of three years as part of the natural weathering cycle(Part B).

Tested by: A. Rocha
TECHNICAL SIGNATORY
LIGHTING TECHNOLOGY

Checked by: T. Fourie
MANAGEMENT SIGNATORY
LIGHTING TECHNOLOGY

This test was performed by SABS SOC Ltd.

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