

The Managing Director

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Report :
7232// YQ 940
Page: 1 of 2
Date: 2005-07-15PARTIAL TESTING TO SPECIFICATION SANS 513 : 2004
"RETRO-REFLECTORS"
REF NO. MRK 6508 / CERTIFICATION - GAUTENG 521/ 05

0. CONCLUSION

As requested by the test sponsor in clause 3, the test specimens complied with the requirements for coefficients of luminous intensity as specified in specification SANS 513 : 2004.

1. SAMPLE DESCRIPTION

TABLE 1 - DESCRIPTION OF RETRO-REFLECTORS SUBMITTED

Retro-reflectors 90 mm x 40 mm	Type	Marking
Five clear	Sealed with white plastic base	RELIABLE 1A
Five amber		
Five red		

2. SAMPLE SUBMITTED

The sample received in a condition suitable for testing.

Sampling date	:	2005-04-07
Auditor	:	Mr R. Rostoll
Date sample received	:	2005-06-25
Testing starting date	:	2005-07-12
Testing completion date	:	2005-07-12

3. TESTS REQUESTED

At the request of the test sponsor, the following test was conducted on the sample:

Coefficients of luminous intensity.

SANAS Accredited Testing Laboratory No. T0085

1 Dr Lategan Road Groenkloof, Private Bag X191 Pretoria 0001, Tel: +27 (012) 428-7911,
Fax: +27 (012) 344-1568.This test was performed by Testing and Conformity Services (Pty) Ltd, an affiliate of the SABS.
This report relates only to the specific sample(s) tested as identified herein. It does not imply SABS approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested.
(Refer also to the complete conditions printed on the back of the official test reports.)

4. METHOD OF TEST

The test was conducted in accordance with the test methods of specification SANS 513 : 2004.

5. TEST RESULTS

TABLE 2-DESCRIPTION OF REQUIREMENTS FOR RETRO-REFLECTORS

Requirements	Description of requirements	Test results
Clause 3.1	General construction (visual inspection)	Complied
Clause 3.2	Shape and dimensions (visual inspection)	Complied
Clause 3.3	Coefficients of luminous intensity	Complied See attached photometric test results ¹
Clause 3.4	Colour	Not tested
Clause 3.5	Resistance to penetration of water	Not tested
Clause 3.6	Adhesion of mirror- coating	Not applicable
Clause 3.7	Resistance to heat	Not tested
Clause 3.8	Resistance to motor fuel	Not tested
Clause 3.9	Resistance to lubricating oil	Not tested
Clause 3.10	Resistance to corrosion	Not applicable
Clause 4	Marking (visual inspection)	Complied

¹ The attached photometric test results are numerically numbered for easy reference. There are a total of fifteen pages.

6. EXCLUSIONS

None.

7. SUBCONTRACTING OF LABORATORY

None.

8. UNCERTAINTY OF MEASUREMENT

The estimated uncertainty of measurement of the photometric measurement is approximated 5,8 % for a 95% level of confidence.

Tested by: A. Rocha
SENIOR TEST OFFICER
LIGHTING TECHNOLOGY

Checked by: T. Fourie
TECHNICAL SIGNATORY
LIGHTING TECHNOLOGY