

Certificate of Test



For Unitika Limited
4-1-3 Kyutaro-Machi
Chuo-ku
Osaka
Japan
541-8566

Our reference SPC0216971/1331/10/2
Date 9th January 2014

Product Retro-reflective material referenced Unitika Sparklite MR-3501NS

Test Data	EN ISO 20471:2013 requirements clauses:-
6.1 Table 4	
Retro-reflective performance of new material	PASS
6.2 Table 6 – retro-reflective performance after test exposure	
Abrasion	PASS
Flexing	PASS
Folding at cold temperature	PASS
Temperature variation	PASS
Domestic washing, (ISO 6330) - 50 cycles, 60°C	PASS
Dry cleaning, normal (ISO 3175) - 25 normal cycles	PASS
Influence of rainfall	PASS

Description Retro-reflective separate performance material

Recommendations The following test reports provide full details of test data:
SPC0200088/3, Issue 1, SPC0216971/1331/10/2

Report date 9th Jan. 2014

Tests marked † fall outside the UKAS Accreditation Schedule for SATRA.
All interpretations are outside the scope of UKAS Accreditation and are based on SATRA experience.
This report is designed to indicate the performance of the sample tested by SATRA. SATRA have not approved the on-going quality control. It is the responsibility of purchasers to satisfy themselves that other production batches perform similarly.

SIGNATURE
M Gamble
PPE Technologist
Safety Products Centre