

# Certificate of Test



**For** Unitika Limited  
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Chuo-ku  
Osaka  
Japan  
541-8566

**Our reference** SPC0216971/1331/02  
**Date** 18th October 2013

**Product** Retro-reflective material referenced Unitika Sparklite MR-801

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

**Description** Retro-reflective separate performance material

**Recommendations** The following test reports provide full details of test data:  
SPC0200088/11, SPC0216971/1331/02

**Report date** 18th Oct. 2013

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