



Australian Government

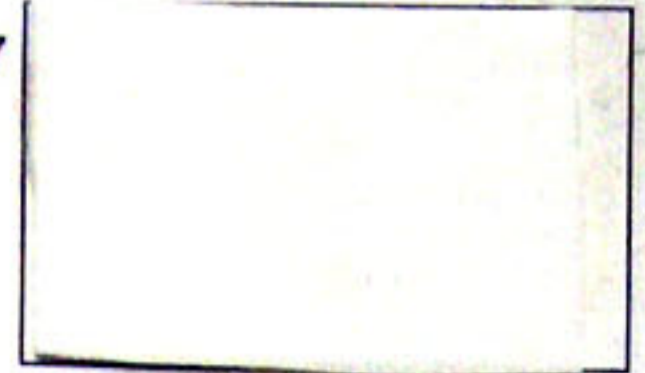
Australian Radiation Protection and Nuclear Safety Agency

# Ultraviolet Protection Factor Report

## Sample Information

Analysed for: Splash About Customer: 1667  
 Description: White 336gsm Polyester/Elastane Single Jersey Floatsuit  
 Fabric, Fantastic Enterprises, Taiwan  
 Colour: White  
 Type: Polyester/Elastane  
 Date of Analysis: 21/07/2004  
 ARPANSA Reference: 4815-1

## Material Sample



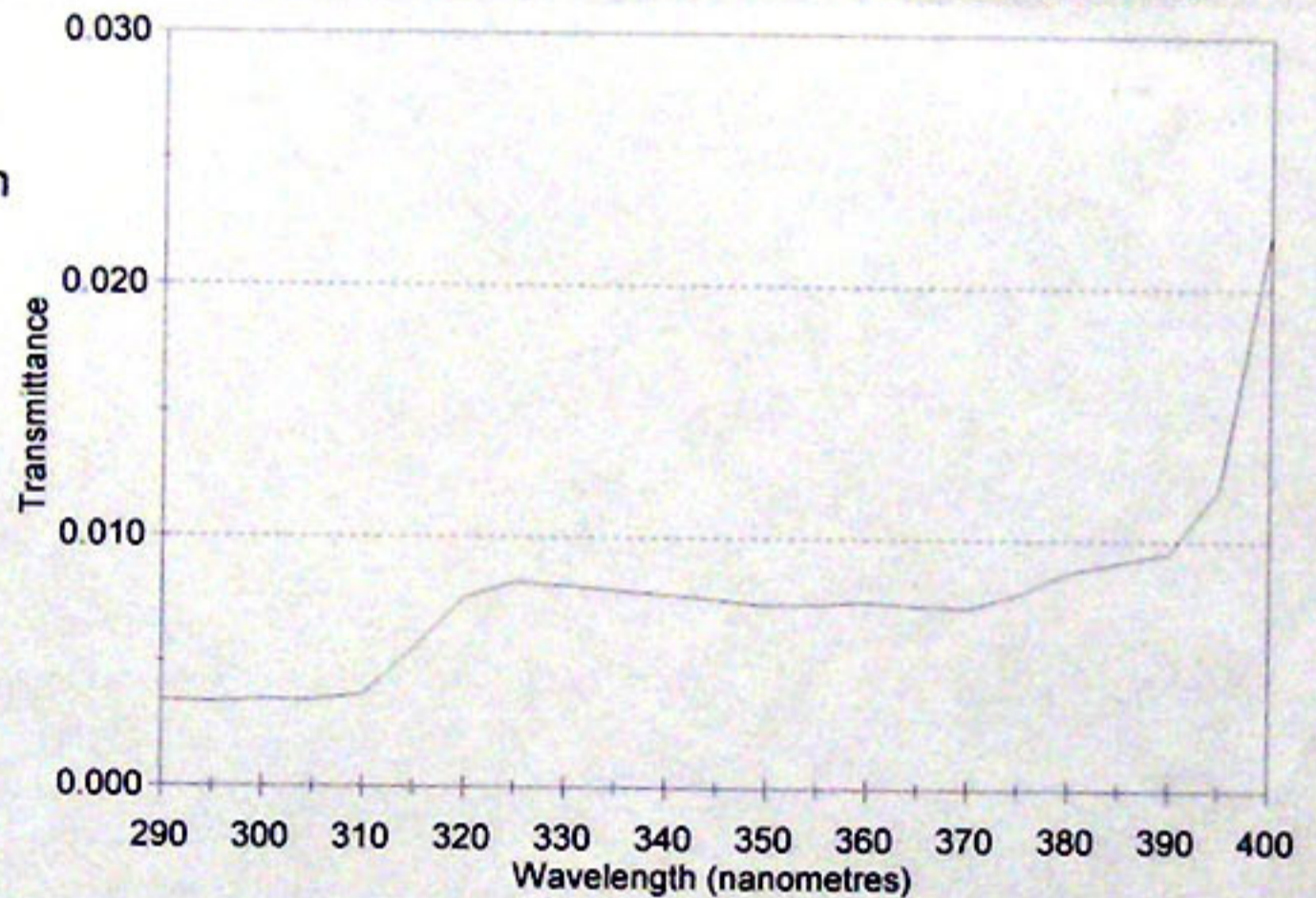
## Analysis Conditions

Sample State: Dry  
 Sample Tension: Unstretched  
 Analysis Method: Spectroradiometric Scan

## Protection Factor Results

Number of Specimens: 6  
 Mean UVB Transmittance: 0.004  
 Mean UVA Transmittance: 0.009  
 Mean UPF: 220  
 Standard Deviation: 14  
 Standard Error of the Mean: 24  
 Rated UPF: 50+  
 Protection Category: Excellent

## UV Transmittance Characteristics



## Review of Results

The total measurement uncertainty in the UPF is given by the standard error of the mean and is 24.

This material is effective as protection against solar ultraviolet radiation (UVR) as it has an ultraviolet protection factor (UPF) greater than 15. A material with a rating of UPF 15 reduces the amount of solar UVR by a factor of 15.

A UPF rating of 50+ qualifies this material for the UPF Excellent protection category. The assigned UPF rating of 50+ may be quoted for advertising purposes.

*Alan McLennan* 29/07/2004

Alan McLennan - Technician

*Peter Gies* 4/8/04

Peter Gies - ARPANSA Signatory



This report has been prepared in accordance with standard AS/NZS4399: 1996 - Sun protective clothing - Evaluation and classification, Appendix A. The solar spectrum described in table B2 of this standard was used to calculate the protection factor results. The results in this report are applicable to the sample tested and may not apply to other batches of the same material or similar materials. It is a condition of the provision of these test results that you do not use the name of the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) or the Commonwealth of Australia, or any words, marks or devices which may imply a connection with the Australian Radiation Protection and Nuclear Safety Agency or the Commonwealth of Australia, in connection with the promotion or sale of your products, unless the Australian Radiation Protection and Nuclear Safety Agency has given express written authority to do so. This test report may only be reproduced in full and without alteration.

ARPANSA Document ID: NIR-UPF-FORM-0200D