



OPTICAL TRANSMITTANCE TESTING OF LENSES

Analysed for: Customer Name
ARPANSA Ref: UVR_24-0001-1



Sample Information

Sample Lens: Left & Right
Lens Colour: Black
Analysis Date: 05/04/2024
Description: Black Uniformly Tinted Lenses with Polycarbonate Frame

Sunglass Lens Test Results

5.2 Transmittance Requirements and Lens Categories

The optical transmittance requirements of the lenses were tested according to Sections 5.2 and 5.3 of AS/NZS 1067:2016 "Eye and Face protection - Sunglasses and Fashion Spectacles" using a Agilent Cary 60 UV/Visible Spectrophotometer s/n MY18270005

Lens Category	3
Luminous Transmittance t_n (%)	
Spectral Transmittance (475-650nm)	
Relative Visual Attenuation (Red)	
Relative Visual Attenuation (Yellow)	
Relative Visual Attenuation (Green)	
Relative Visual Attenuation (Blue)	
Solar UVB Transmittance (280-315nm) T_{SUVB}	
Solar UVA Transmittance (315-400nm) T_{SUVA}	
Uniformity of Luminous Transmittance within Lens	

Limits	
8.0 to 18.0%	
≥ 0.02	(0.20tv)
≥ 0.80	
≥ 0.60	
≥ 0.60	
≥ 0.70	
max	0.005 (0.05tv)
max	0.054 (0.5tv)
max	10.00%

Left		Right	
Value	Result	Value	Result
	3		3
10.8	Pass	10.8	Pass
0.10	Pass	0.10	Pass
1.14	Pass	1.14	Pass
1.00	Pass	1.00	Pass
1.00	Pass	1.00	Pass
1.11	Pass	1.10	Pass
0.000	Pass	0.000	Pass
0.000	Pass	0.000	Pass
1.19%	Pass	1.30%	Pass

Uniformity Between Lenses, relative difference $\leq 15\%$		
Location	Value	Result
Above	1.73%	Pass
Centre	0.00%	Pass
Below	5.27%	Pass

4.1 & 4.2 Construction and materials

Pass

Pass

11.1 Coverage Area

Pass

Pass

These lenses comply with the transmittance requirements of Section 5.2 and 5.3 of AS/NZS1067:2016 for sunglasses with high protection against sunglare and good UV protection.

Information for filter category, description, usage and driving statement (the minimum height of symbols is 5mm):

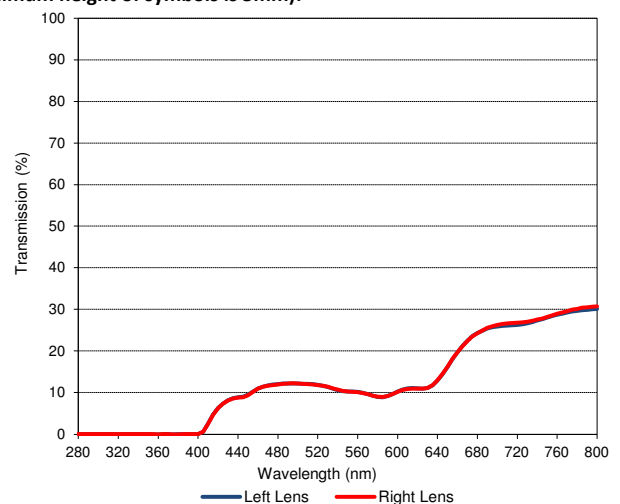
Lens category 3
 General Purpose Sunglasses
 High protection against sunglare
 Good UV protection



NOT SUITABLE FOR DRIVING IN TWILIGHT OR AT NIGHT; or
 NOT SUITABLE FOR DRIVING AT NIGHT OR UNDER DULL LIGHT CONDITIONS.

Summary:

This product meets the requirements of AS/NZS1067:2016 for category 3 General purpose sunglasses. Please refer to AS/NZS 1067.1:2016 for labelling requirements; these requirements are summarised in the email accompanying this report.



Disclaimer

This report has been prepared in accordance with standard AS/NZS 1067:2016 Eye and Face Protection - Sunglasses and fashion spectacles. The results in this report are applicable to the lenses tested. The report shows the measured values and due to physical differences from place to place in the lens material there may be variations between the left and right lenses tested. 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 ARPANSA or the Commonwealth of Australia, in connection with the promotion or sale of your products, unless ARPANSA has given express written authority to do so. This test report may only be reproduced in full and without alteration. Version ARPANSA-RPT-0938 [3.7] 12/07/2023.

Technician: _____

Date: _____

Signatory: _____

Date: _____