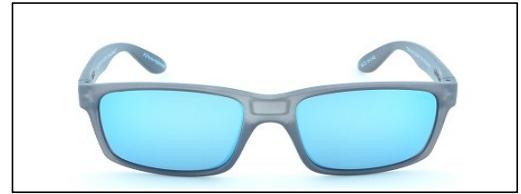




OPTICAL TRANSMITTANCE TESTING OF LENSES

Analysed for: 2NU (H.K.) Limited
ARPANSA Ref: 12993-1



Sample Information

Sample Lens: Left & Right
Lens Colour: Light Blue Mirror
Analysis Date: 17/09/2020

Description: Light Blue Mirror Polarised Lenses with Matte Grey Plastic Frame, Ovo, OVOMGYTVOPLB

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 Varian Cary 60 UV/Visible Spectrophotometer s/n MY18270005

Lens Category	3
Luminous Transmittance τ_v (%)	
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	(0.20 τ_v)
≥ 0.80	
≥ 0.60	
≥ 0.60	
≥ 0.70	
max	0.005 (0.05 τ_v)
max	0.048 (0.5 τ_v)
max	10.00%

Left		Right	
Value	Result	Value	Result
	3		3
9.7	Pass	10.0	Pass
0.09	Pass	0.10	Pass
1.34	Pass	1.34	Pass
1.07	Pass	1.08	Pass
0.96	Pass	0.96	Pass
1.03	Pass	1.02	Pass
0.000	Pass	0.000	Pass
0.000	Pass	0.000	Pass
0.20%	Pass	0.76%	Pass

Uniformity Between Lenses, relative difference $\leq 15\%$		
Location	Value	Result
Above	1.35%	Pass
Centre	3.01%	Pass
Below	5.11%	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.

Labelling:

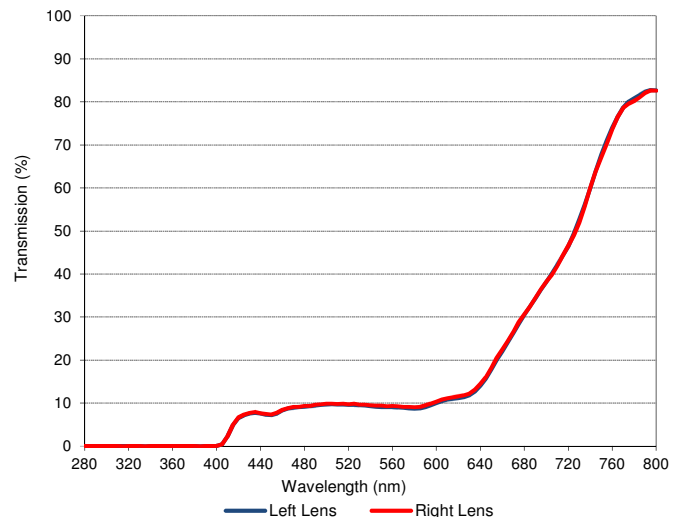
Lens category 3
 General Purpose Sunglasses
 High protection against sunglare
 Good UV protection



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 sunglasses. The labelling section above lists the information that is to be attached to the product in the form of an indelible marking on the frame, a removable label affixed to the lens, or a removable label securely attached or tied to the frame, on the packaging that accompanies the sunglasses at the point of supply or sale, or any combination of these means. The minimum height of symbols is 5mm.



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 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 [3.2] 18/10/2018

Technician: Anindita Das
 Anindita Das

Date: 17/09/2020

Signatory: Lydiawati Tjong Date: 18/09/2020