



## Test Report

No.: T31820280992SN

Date: NOV 05, 2018

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PHOENIXPLUX LIMITED  
UNIT 7, 12/F, LAURELS INDUSTRIAL CTR, 32 TAI YAU ST., SAN PO KONG, KOWLOON, HONG KONG

The following samples were submitted and identified on behalf of the client as:

CAREFO.+ PRIVACY FILTER

SGS Case No. : CA318202846289  
Style / Item No. : P2R SERIES, P2R-XX.X-XX  
Supplier : PHOENIXPLUX LIMITED  
Sample Receiving Date : OCT 29, 2018  
Test Performing Date : OCT 29 TO NOV 05, 2018

Test Requested : Please refer to the result summary.

Test Method & Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
With reference to BS EN ISO 12312-1:2013+A1:2015 Eye and face protection – Sunglasses and related eyewear	--
Clause 5.3.5.1 Blue-light absorption / transmittance	--
Clause 5.3.5.2 UV absorption/transmittance	--

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Signed for and on behalf of  
SGS Hong Kong Ltd.

Wong Sun Leong, John  
Technical Services Manager

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**With reference to BS EN ISO 12312-1:2013+A1:2015 Eye and face protection – Sunglasses and related eyewear**

**Scope** : This part of BS EN ISO 12312 is applicable to all afocal (plano power) sunglasses and clip-ons for general use, including road use and driving, intended for protection against solar radiation.  
This part of BS EN ISO 12312 is not applicable to related eyewear, such as:  
a) eyewear for protection against radiation from artificial light sources, such as those used in solaria;  
b) eye protectors intended for specific sports (e.g. ski goggles or other types);  
c) sunglasses that have been medically prescribed for attenuating solar radiation;  
d) products intended for direct observation of the sun, such as for viewing a partial or annular solar eclipse.  
e) products intended for occupational eye protection.

**No. of Specimen** : 1 pc.  
**Filter Type** : Uniform filters  
**Conditioning before tests** :  $23 \pm 5^{\circ}\text{C}$ , 4 hours  
**Test Condition** :  $16^{\circ}\text{C} - 32^{\circ}\text{C}$ ,  $50 \pm 20\%$  RH  
**Test Result** : Details shown as following table:-  
**Remark** : Transmittance Properties are measured at geometric centre

Test Item	Result	Note
<b>Clause 5 Transmittance</b>		
Clause 5.3.5 Claimed transmittance properties	---	---
Clause 5.3.5.1 Blue-light absorption/transmittance	Data Only	See Table 1
Clause 5.3.5.2 UV absorption/transmittance	Data Only	See Table 1

**Note(s)** : # 1 Only requested test clauses were shown.

Table 1. Transmittance

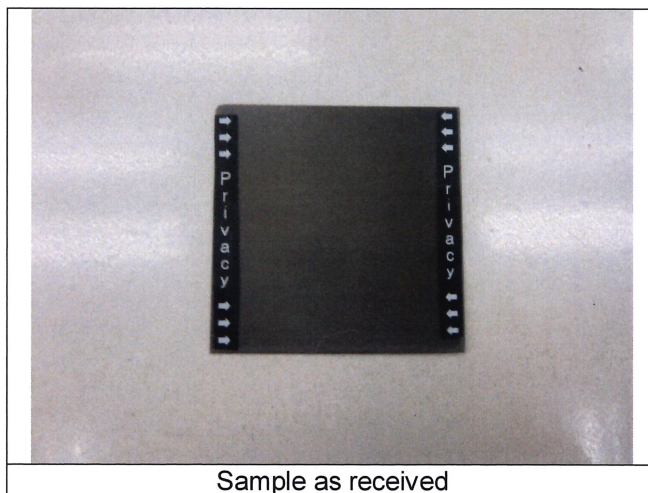
Performance Parameter	Value (%)
Solar Blue Light Transmittance (380 – 500nm), $\tau_{\text{SB}}$	56.29
Solar UV transmittance (280nm – 380nm), $\tau_{\text{SUV}}$	12.50
Solar UVA transmittance (315nm – 380nm), $\tau_{\text{SUVA}}$	19.15
Solar UVB transmittance (280nm – 315nm), $\tau_{\text{SUVB}}$	0.47

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### Photo Appendix



Sample as received

\*\*\* End of Report \*\*\*

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