

## TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : YA60028/2014

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Date : JUN. 19, 2014

### Onelensolution Optical Technology Sdn Bhd

A2-11, 2rd Floor, K.L Industrial Park 5th Miles, Old Klang Road, 58200 Kuala Lumpur, Malaysia

### The following merchandise was submitted and identified by the applicant as:

Product Description: Blue Nanomite  
Manufacturer/Vendor: Onelensolution Optical Technology Sdn Bhd  
Country of Origin: Malaysia

### We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested:

1. Solar blue-light transmittance
2. Solar IR transmittance

Test Method:

1. According to clause 7.1.1 of EN ISO 12311:2013  
( The calculation of solar blue-light transmittance is according to clause 7.4 of EN ISO 12311:2013 )
2. According to clause 7.1.1 of EN ISO 12311:2013  
( The calculation of solar blue-light transmittance is according to clause 7.5 of EN ISO 12311:2013 )

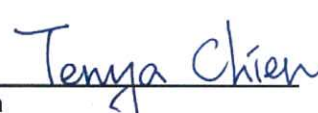
Test Result: --See following sheet(s)--

Date of Receipt: JUN. 11, 2014

Testing Period: JUN. 11 ~ 19, 2014

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Signed for and on behalf of  
SGS Taiwan Ltd.

  
Tenya Chien  
Supervisor

Laboratory address:  
61, Kai-Fa Road, Nanzih Export Processing Zone, 81170, Kaohsiung, Taiwan

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### Test Result

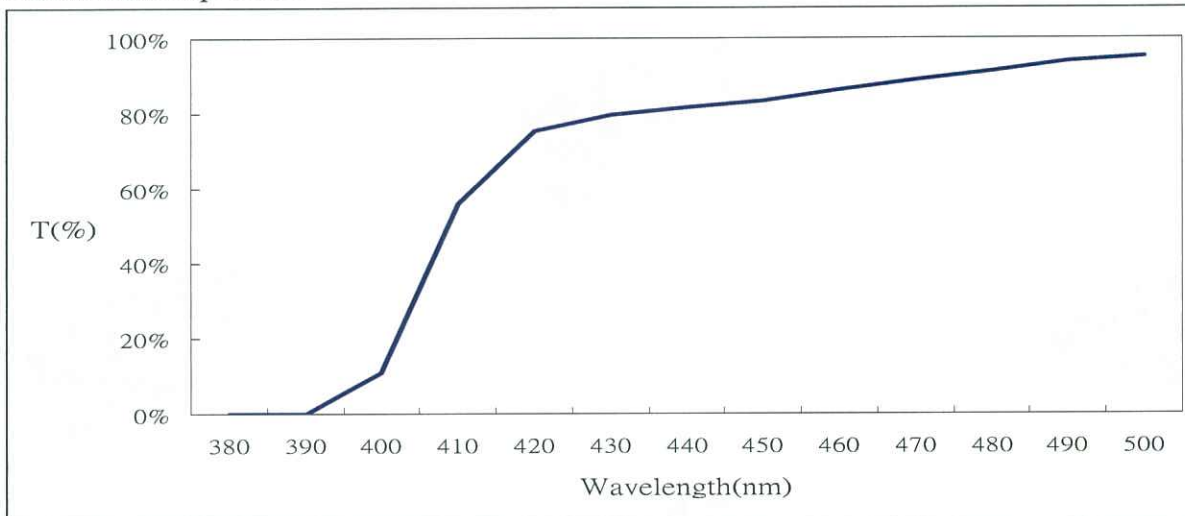
#### 1. Solar blue-light transmittance

#### **Finding**

Sample	Range	Test Value
1	380~500nm	82.17 %

Wavelength(nm)	Transmittance (%)	Wavelength(nm)	Transmittance (%)
380	0.00	450	83.10
390	0.00	460	86.30
400	11.00	470	88.80
410	55.80	480	91.20
420	75.20	490	93.60
430	79.60	500	95.00
440	81.60	--	--

#### Transmittance spectrum



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### Test Result

#### 2. Solar IR transmittance

#### Finding

Sample	Range	Test Value
1	780~2000nm	68.47 %

Wavelength(nm)	Transmittance (%)	Wavelength(nm)	Transmittance (%)
780	76.864	1030	65.940
790	75.386	1040	66.888
800	73.802	1050	67.615
810	72.558	1060	68.278
820	71.405	1070	68.777
830	70.451	1080	69.237
840	69.655	1090	69.811
850	68.699	1100	70.532
860	67.941	1110	71.349
870	67.118	1120	72.028
880	66.077	1130	72.388
890	64.641	1140	72.154
900	63.736	1150	71.047
910	63.378	1160	68.635
920	63.450	1170	65.044
930	63.933	1180	62.451
940	64.106	1190	63.056
950	64.508	1200	66.141
960	64.890	1210	69.813
970	64.733	1220	72.721
980	64.761	1230	74.965
990	65.045	1240	76.947
1000	64.966	1250	78.735
1010	64.984	1260	79.978
1020	65.286	1270	80.591

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### Test Result

Wavelength(nm)	Transmittance (%)	Wavelength(nm)	Transmittance (%)
1280	80.924	1530	64.862
1290	81.390	1540	68.833
1300	82.009	1550	72.220
1310	82.515	1560	74.081
1320	82.806	1570	74.230
1330	82.938	1580	74.132
1340	83.048	1590	74.837
1350	82.427	1600	76.326
1360	80.422	1610	77.928
1370	78.273	1620	79.163
1380	76.587	1630	79.632
1390	75.003	1640	79.073
1400	73.363	1650	77.193
1410	72.481	1660	73.049
1420	72.943	1670	64.842
1430	74.345	1680	51.647
1440	75.658	1690	38.413
1450	76.472	1700	29.958
1460	76.262	1710	24.975
1470	73.669	1720	20.832
1480	67.458	1730	17.670
1490	60.655	1740	17.490
1500	57.494	1750	21.894
1510	58.325	1760	31.205
1520	61.242	1770	41.454

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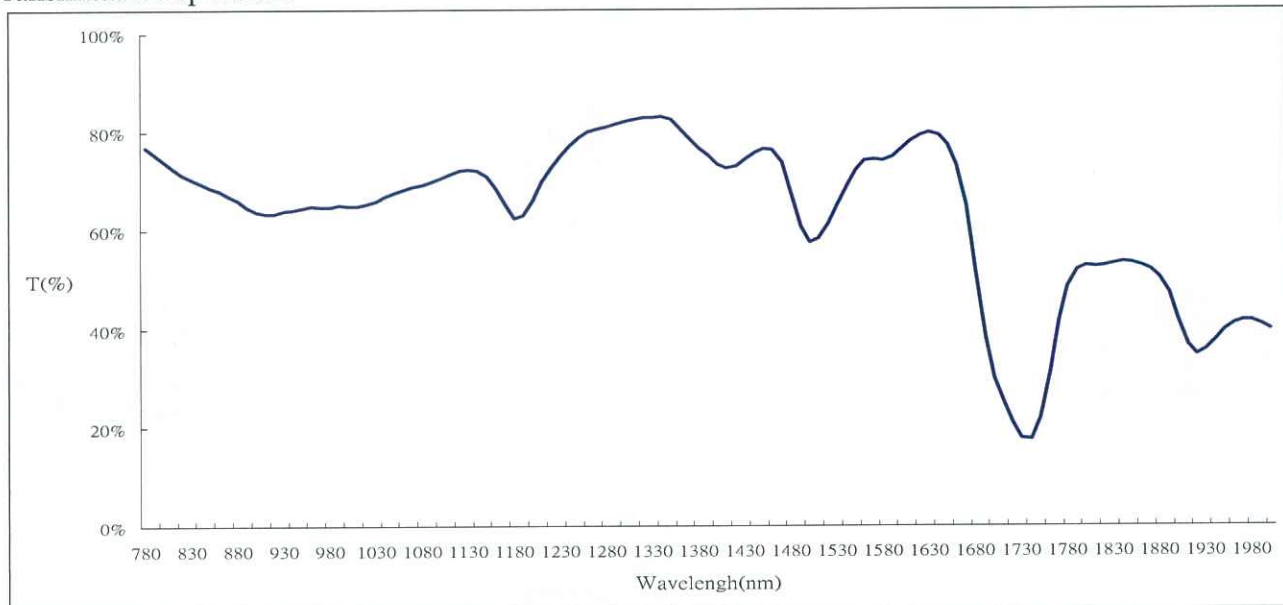
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### Test Result

Wavelength(nm)	Transmittance (%)	Wavelength(nm)	Transmittance (%)
1780	48.570	1900	41.707
1790	51.838	1910	36.567
1800	52.611	1920	34.775
1810	52.515	1930	35.670
1820	52.665	1940	37.703
1830	53.063	1950	39.568
1840	53.388	1960	40.904
1850	53.311	1970	41.585
1860	52.675	1980	41.500
1870	51.799	1990	40.765
1880	50.298	2000	39.693
1890	47.214	---	---

Transmittance spectrum



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### – Pictures –

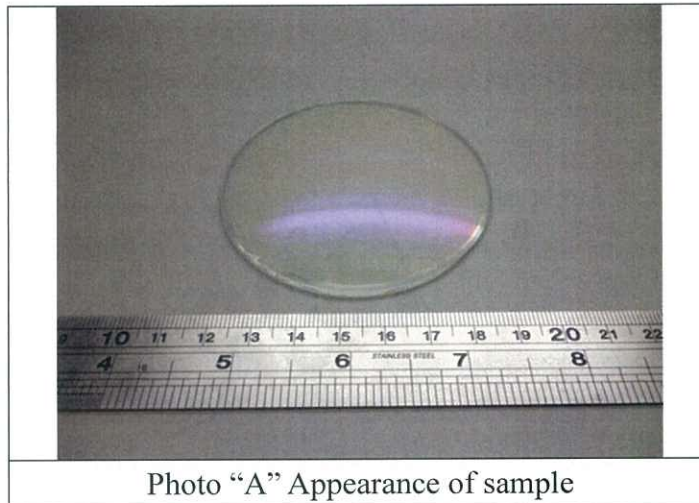


Photo "A" Appearance of sample

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