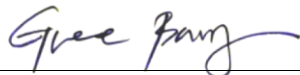


## **Test Report**

**Applicant** : Roits Nine Co., Ltd  
**Address** : Kolon Science Valley 2 #504, 811 Guro-dong Guro-gu Seoul Korea  
**Sample Name** : Refer to Table 1. (2 page).  
**Sample Received** : December 2, 2015  
**Test Performing Date** : December 2, 2015 ~ December 10, 2015  
**Test Laboratory** : Korea Polymer Testing & Research Institute. LTD. (KOPTRI)  
**Test Item** : Optical Transmittance  
**TEST Method(s)** : Using UV-Vis Spectrophotometer  
**TEST Result(s)** : Refer to Table 2. and Raw Data

Tested by,



Gree Bang/ Lab. Technical Manager

Authorized by,



Kyoungho Min /Lab. General Manager

Tested by

**Korea Polymer Testing & Research Institute (KOPTRI), Ltd.**

(ISO 17025 Certified Laboratory)


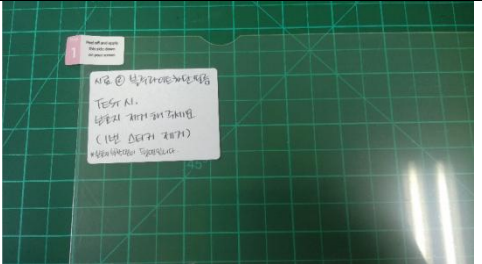


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Lab. Address: 24-194 Sangwolgok-dong, Sungbook-ku, Seoul 136-120, Korea

**Table 1. Test Sample Information**

No	Sample Name Given by the Client	Sample Name Used in the Test	Sample's Picture
1	Privacy Filter	Koptri-1563020-1	
2	Blue Light Cut Filter	Koptri-1563020-2	

**Table 2. Test Results**

Sample ID	Test Item	Unit	Test Method	Test Result <sup>1)</sup>
Koptri-1563020-1 (Privacy Filter)	Optical Transmittance	%	Using UV-Vis Spectrophotometer	51.2
Koptri-1563020-2 (Blue Light Cut Filter)	Optical Transmittance	%	Using UV-Vis Spectrophotometer	54.4

Note 1) Average ( 380 ~ 500 nm)

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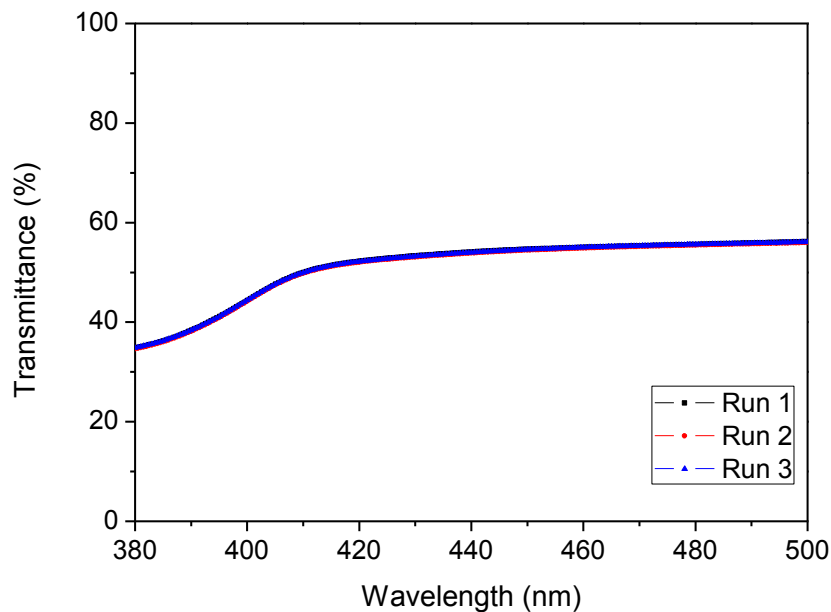
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**- Raw data**

Table 3-1. Result of Optical Transmittance

Sample ID	Wavelength (nm)	Run 1	Run 2	Run 3	Average
<b>Koptri-1563020-1</b> (Privacy Filter)	380	34.93	34.59	34.90	<b>34.81</b>
	390	38.48	38.10	38.40	<b>38.33</b>
	400	44.48	44.10	44.43	<b>44.34</b>
	410	50.12	49.76	50.00	<b>49.96</b>
	420	52.34	51.99	52.20	<b>52.18</b>
	430	53.44	53.04	53.26	<b>53.25</b>
	450	54.78	54.42	54.64	<b>54.61</b>
	470	55.43	55.16	55.37	<b>55.32</b>
	490	56.00	55.68	55.89	<b>55.86</b>
	500	56.29	55.95	56.16	<b>56.13</b>
	Average (380 ~ 500)	51.30	50.96	51.19	<b>51.15</b>

Picture 1-1. Result of Optical Transmittance



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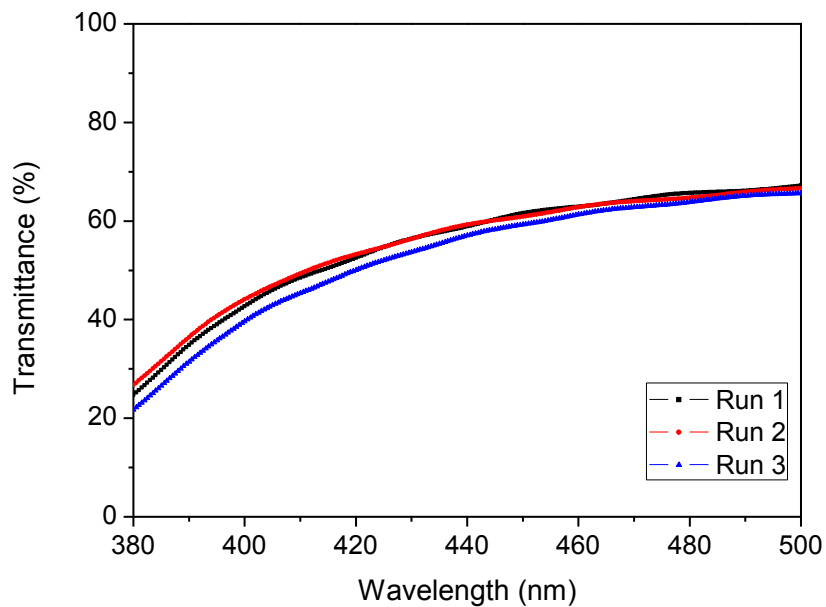
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Lab. Address: 24-194 Sangwolgok-dong, Sungbook-ku, Seoul 136-120, Korea

Table 3-2. Result of Optical Transmittance

Sample ID	Wavelength (nm)	Run 1	Run 2	Run 3	Average
<b>Koptri-1563020-2</b> <b>(Blue Light Cut Filter)</b>	380	24.76	26.71	21.75	<b>24.41</b>
	390	34.87	36.42	31.50	<b>34.26</b>
	400	42.71	44.10	39.69	<b>42.17</b>
	410	48.53	49.35	45.41	<b>47.76</b>
	420	52.54	53.23	50.11	<b>51.96</b>
	430	56.43	56.37	53.74	<b>55.52</b>
	450	61.59	60.90	59.31	<b>60.60</b>
	470	64.41	64.01	62.84	<b>63.75</b>
	490	66.14	65.86	65.15	<b>65.72</b>
	500	67.20	66.60	65.68	<b>66.50</b>
	Average (380 ~ 500)	55.08	55.33	52.84	<b>54.41</b>

Picture 1-2. Result of Optical Transmittance



End.

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