

Lens Test Report

Measured by Agilent Technologies
Cary Series UV-Vis

Standard: BS EN ISO 12312-1:2013+A1:2015

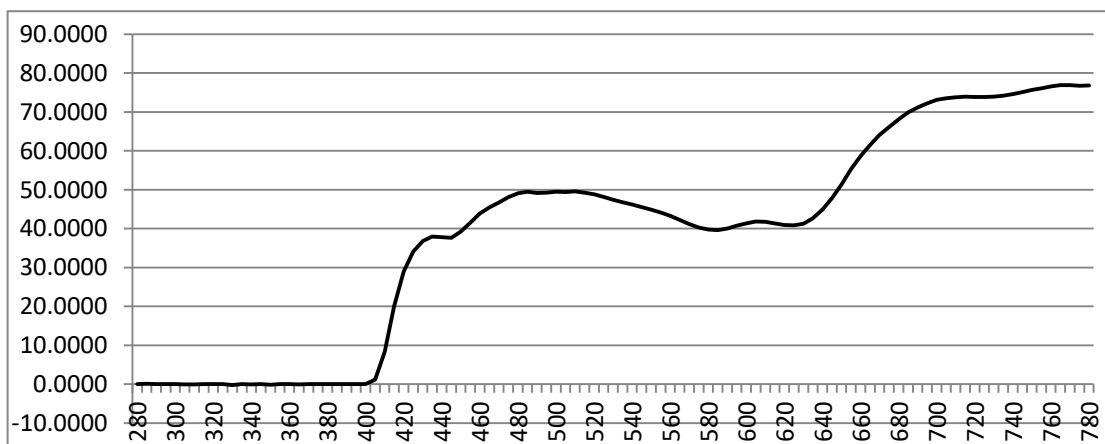
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Sample: J5886 Gold Black
 Company: Zhejiang WinSquare Eyewear Co.,Ltd
 Add: No.1 Jiaolin Road,Chenzhuangcun,Panqiao Street,Ouhai,Wenzhou

ITEM	Value	Requirement	Result
Luminous Transmittance (Tv)	44.53%		
Filter Category	1		
Max T _{SUVB} (280nm~315nm)	0.07%		
Max T _{SUVA} (315nm~380nm)	0.03%		
Tmin (475nm~650nm)	39.60%	≥ 8.91% (0.2*Tv)	PASS
***** UV Transmittance *****			
T _{SUVA} (315nm~380nm)	-0.04%		
T _{SUVB} (280nm~315nm)	-0.05%		
T _{SUV} (280nm~380nm)	-0.05%		
Tsb (380nm~500nm)	38.81%		
***** Recognition of Signal Lights *****			
Red [Q] Factor	1.00	≥ 0.8	PASS
Yellow [Q] Factor	0.97	≥ 0.6	PASS
Green [Q] Factor	1.02	≥ 0.6	PASS
Blue [Q] Factor	1.07	≥ 0.6	PASS
***** Recognition of LED Lights *****			
Red [Q] Factor	0.97	≥ 0.8	PASS
Yellow [Q] Factor	0.91	≥ 0.6	PASS
Green [Q] Factor	1.09	≥ 0.6	PASS
Blue [Q] Factor	1.03	≥ 0.6	PASS

Spectrum Data:

WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%
780	76.803	770	76.922	760	76.548	750	75.668	740	74.621
730	73.968	720	73.862	710	73.795	700	73.120	690	71.177
680	68.064	670	64.038	660	58.667	650	51.426	640	44.890
630	41.267	620	40.963	610	41.735	600	41.370	590	39.987
580	39.746	570	41.165	560	43.340	550	44.888	540	46.199
530	47.458	520	48.870	510	49.577	500	49.496	490	49.147
480	49.046	470	46.723	460	43.868	450	39.170	440	37.782
430	36.817	420	28.881	410	8.319	400	0.041	390	0.008
380	0.020	370	-0.027	360	-0.031	350	-0.189	340	-0.034
330	-0.213	320	0.002	310	-0.070	300	0.019	290	0.011
280	0.023								



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ITEM	Value	Requirement	Result
Luminous Transmittance (Tv)	44.46%		
Filter Category	1		
***** Transmittance *****			
T _{SUVA} (315nm~380nm)	-0.03%	< 22.23% (0.5*Tv)	PASS
T _{SUVB} (280nm~315nm)	0.00%	< 1%	PASS
T _{min} (475nm~650nm)	39.60%	≥ 8.89% (0.2*Tv)	PASS
T _{sb} (380nm~500nm)	38.81%		
***** Color Limits *****			
Yellow	X: 0.58	Y: 0.42	PASS
Green	X: 0.20	Y: 0.42	PASS
DAY Light	X: 0.31	Y: 0.34	PASS
***** Traffic Signal Transmittance *****			
Red	47.15%	≥ 8%	PASS
Yellow	42.98%	≥ 6%	PASS
Green	45.98%	≥ 6%	PASS

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