

Lens Test Report

Measured by Agilent Technologies
Cary Series UV-Vis

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

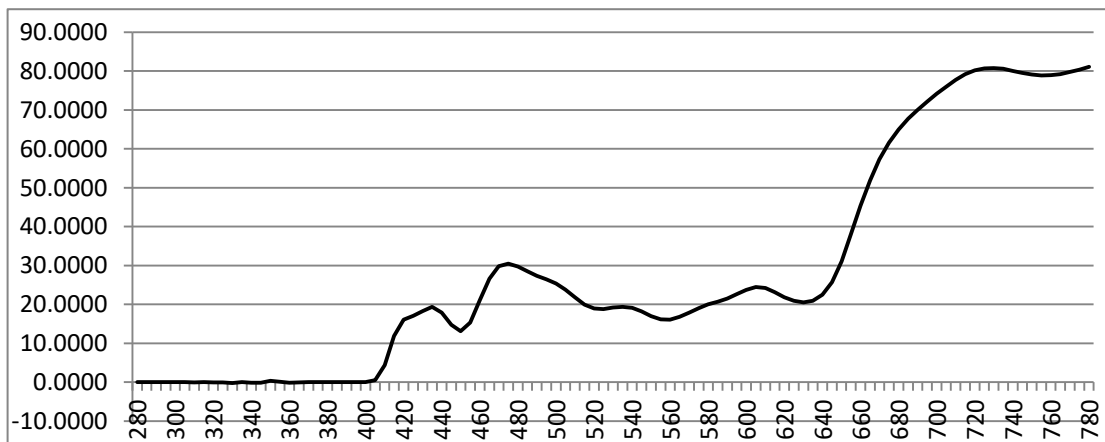
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Sample: J5893 Silver Rose
 Company: Zhejiang WinSquare Eyewear Co.,Ltd
 Add: No.1 Jiaolin Road,Chenzhuangcun,Panqiao Street,Ouhai,Wenzhou

ITEM	Value	Requirement	Result
Luminous Transmittance (Tv)	20.55%		
Filter Category	2		
Max T _{SUVB} (280nm~315nm)	0.05%		
Max T _{SUVA} (315nm~380nm)	0.30%		
T _{min} (475nm~650nm)	16.04%	≥ 4.11% (0.2*Tv)	PASS
***** UV Transmittance *****			
T _{SUVA} (315nm~380nm)	-0.03%		
T _{SUVB} (280nm~315nm)	-0.03%		
T _{SUV} (280nm~380nm)	-0.03%		
Tsb (380nm~500nm)	19.67%		
***** Recognition of Signal Lights *****			
Red [Q] Factor	1.27	≥ 0.8	PASS
Yellow [Q] Factor	1.04	≥ 0.6	PASS
Green [Q] Factor	0.94	≥ 0.6	PASS
Blue [Q] Factor	1.16	≥ 0.6	PASS
***** Recognition of LED Lights *****			
Red [Q] Factor	1.10	≥ 0.8	PASS
Yellow [Q] Factor	1.03	≥ 0.6	PASS
Green [Q] Factor	1.10	≥ 0.6	PASS
Blue [Q] Factor	1.18	≥ 0.6	PASS

Spectrum Data:

WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%
780	81.097	770	79.761	760	79.008	750	79.167	740	80.009
730	80.770	720	80.180	710	77.697	700	74.154	690	69.976
680	64.979	670	57.336	660	45.338	650	31.036	640	22.456
630	20.529	620	21.852	610	24.209	600	23.755	590	21.472
580	19.979	570	17.863	560	16.043	550	16.988	540	19.078
530	19.181	520	18.961	510	21.807	500	25.381	490	27.384
480	29.745	470	29.814	460	21.094	450	13.094	440	17.871
430	18.309	420	16.104	410	4.379	400	0.000	390	0.015
380	0.019	370	-0.021	360	-0.139	350	0.300	340	-0.157
330	-0.199	320	-0.062	310	-0.075	300	0.047	290	0.035
280	-0.011								



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ITEM	Value	Requirement	Result
Luminous Transmittance (Tv)	20.60%		
Filter Category	2		
***** Transmittance *****			
T _{SUVA} (315nm~380nm)	-0.03%	< 10.30% (0.5*Tv)	PASS
T _{SUVB} (280nm~315nm)	0.01%	< 1%	PASS
T _{min} (475nm~650nm)	16.04%	≥ 4.12% (0.2*Tv)	PASS
T _{sb} (380nm~500nm)	19.67%		
***** Color Limits *****			
Yellow	X: 0.58	Y: 0.41	PASS
Green	X: 0.20	Y: 0.38	PASS
DAY Light	X: 0.32	Y: 0.33	PASS
***** Traffic Signal Transmittance *****			
Red	28.72%	≥ 8%	PASS
Yellow	22.93%	≥ 6%	PASS
Green	19.88%	≥ 6%	PASS

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