

Lens Test Report

Measured by Agilent Technologies
Cary Series UV-Vis

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

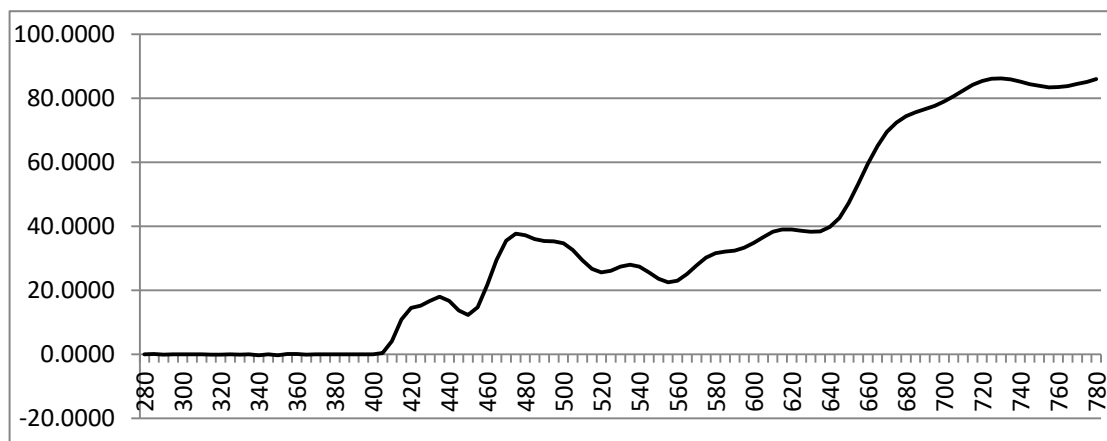
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Sample: J5893 Gold Tortoise
 Company: Zhejiang WinSquare Eyewear Co.,Ltd
 Add: No.1 Jiaolin Road,Chenzhuangcun,Panqiao Street,Ouhai,Wenzhou

ITEM	Value	Requirement	Result
Luminous Transmittance (Tv)	29.92%		
Filter Category	2		
Max T _{SUVB} (280nm~315nm)	0.05%		
Max T _{SUVA} (315nm~380nm)	0.10%		
Tmin (475nm~650nm)	22.49%	≥ 5.98% (0.2*Tv)	PASS
***** UV Transmittance *****			
T _{SUVA} (315nm~380nm)	-0.08%		
T _{SUVB} (280nm~315nm)	0.00%		
T _{SUV} (280nm~380nm)	-0.04%		
Tsb (380nm~500nm)	20.91%		
***** Recognition of Signal Lights *****			
Red [Q] Factor	1.36	≥ 0.8	PASS
Yellow [Q] Factor	1.09	≥ 0.6	PASS
Green [Q] Factor	0.92	≥ 0.6	PASS
Blue [Q] Factor	1.03	≥ 0.6	PASS
***** Recognition of LED Lights *****			
Red [Q] Factor	1.32	≥ 0.8	PASS
Yellow [Q] Factor	1.07	≥ 0.6	PASS
Green [Q] Factor	1.02	≥ 0.6	PASS
Blue [Q] Factor	0.96	≥ 0.6	PASS

Spectrum Data:

WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%
780	85.963	770	84.548	760	83.499	750	83.854	740	85.169
730	86.238	720	85.398	710	82.394	700	79.046	690	76.602
680	74.364	670	69.475	660	59.648	650	47.276	640	39.802
630	38.257	620	38.984	610	38.289	600	34.792	590	32.397
580	31.579	570	27.826	560	22.999	550	23.557	540	27.379
530	27.359	520	25.576	510	29.413	500	34.746	490	35.405
480	37.227	470	35.461	460	21.658	450	12.311	440	16.730
430	16.714	420	14.463	410	4.123	400	0.032	390	0.022
380	-0.004	370	-0.042	360	0.087	350	-0.329	340	-0.342
330	-0.109	320	-0.147	310	0.040	300	0.001	290	-0.091
280	0.032								



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ITEM	Value	Requirement	Result
Luminous Transmittance (Tv)	30.00%		
Filter Category	2		
***** Transmittance *****			
T _{SUVA} (315nm~380nm)	-0.06%	< 15.00% (0.5*Tv)	PASS
T _{SUVB} (280nm~315nm)	0.00%	< 1%	PASS
T _{min} (475nm~650nm)	22.49%	≥ 6.00% (0.2*Tv)	PASS
T _{sb} (380nm~500nm)	20.91%		
***** Color Limits *****			
Yellow	X: 0.59	Y: 0.41	PASS
Green	X: 0.21	Y: 0.42	PASS
DAY Light	X: 0.36	Y: 0.36	PASS
***** Traffic Signal Transmittance *****			
Red	44.94%	≥ 8%	PASS
Yellow	35.24%	≥ 6%	PASS
Green	27.91%	≥ 6%	PASS

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