

Sunglasses Certification Report

Sample Name: XE3 Nylon Polarized DS244
 Company: Insqector:A
 Material: XE3 Nylon Polarized SRN12/0178
 Size: B600-78-2.0 2013-03-22

Standard: ANSI Z80.3:2010

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	12.67%	8% - 40%	PASS
Color Limit, Yellow(x,y)	(0.5938 , 0.4052)		PASS
Color Limit, Green(x,y)	(0.2070 , 0.4046)		PASS
Color Limit, D65(x,y)	(0.3388 , 0.3466)		PASS
Tsig, Red Signal	16.34%	>= 8%	PASS
Tsig, Yellow Signal	13.46%	>= 6%	PASS
Tsig, Green Signal	12.04%	>= 6%	PASS
Tmin (475 - 650nm)	10.05%	>= 2.53% (0.2Tv)	PASS
Tmean UVB (280 - 315nm)	0.00%	<= 1.58% (0.125Tv)	PASS
Tmean UVA (315 - 380nm)	0.00%	<= 12.67% (Tv)	PASS
Tsb (380 - 500nm)	10.04%		

Standard: EN 1836:2005 (A1:2007)

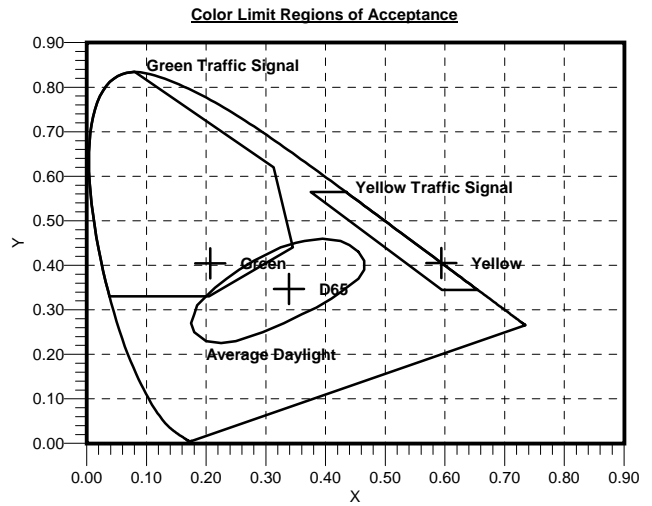
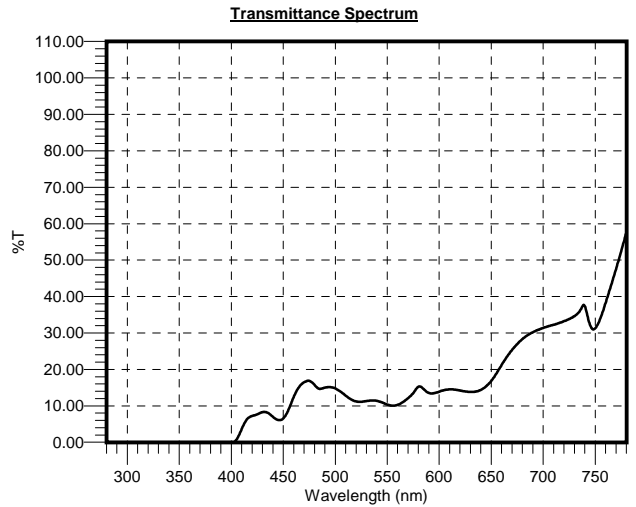
Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	12.64%	8% - 18%	PASS
Q, Red	1.19	>= 0.80	PASS
Q, Yellow	1.07	>= 0.80	PASS
Q, Green	0.94	>= 0.60	PASS
Q, Blue	1.08	>= 0.40	PASS
Tmean (280 - 315nm)	0.00%	<= 1.26% (0.1Tv)	PASS
Tmean (315 - 350nm)	0.00%	<= 6.32% (0.5Tv)	PASS
Tmin (500 - 650nm)	10.05%	>= 2.53% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 6.32% (0.5Tv)	PASS
Tsubv (280 - 315nm)	0.00%		
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	10.04%		

Standard: EN ISO 12312-1:2013

Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	12.62%	8% - 18%	PASS
Incandescent Lights			
Q, Red	1.21	>= 0.80	PASS
Q, Yellow	1.05	>= 0.60	PASS
Q, Green	0.93	>= 0.60	PASS
Q, Blue	1.05	>= 0.60	PASS
Tmin (475 - 650nm)	10.05%	>= 2.52% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 6.31% (0.5Tv)	PASS
Tsubv (280 - 315nm)	0.00%	<= 1.0%	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	10.04%		

Standard: AS/NZS 1067:2003 (A1:2009)

Item	Value	Requirement	Result
Lens Category	3		
Luminous Transmittance Tv	12.64%	8% - 18%	PASS
Q, Red	1.19	>= 0.80	PASS
Q, Yellow	1.07	>= 0.80	PASS
Q, Green	0.94	>= 0.60	PASS
Q, Blue	1.08	>= 0.70	PASS
Tmean (280 - 315nm)	0.00%	<= 0.63% (0.05Tv)	PASS
Tmean (315 - 350nm)	0.00%	<= 6.32% (0.5Tv)	PASS
Tmin (450 - 650nm)	6.55%	>= 2.53% (0.2Tv)	PASS
Tsuva (315 - 400nm)	0.00%	<= 6.32% (0.5Tv)	PASS
Tsubv (280 - 315nm)	0.00%		
Tsuv (280 - 400nm)	0.00%		
Tsb (400 - 500nm)	10.07%		



Spectrum Data:

nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T		
280	0.000	290	0.000	300	0.000	310	0.000	320	0.000	330	0.000	340	0.000	350	0.000	360	0.000	370	0.000	380	0.000
390	0.000	400	0.000	410	3.640	420	7.216	430	8.289	440	7.015	450	6.553	460	12.431	470	16.472	480	15.801	490	15.001
500	14.785	510	12.817	520	11.213	530	11.305	540	11.391	550	10.360	560	10.280	570	12.098	580	15.266	590	13.543	600	13.885
610	14.518	620	14.212	630	13.835	640	14.368	650	16.861	660	21.222	670	25.332	680	28.339	690	30.193	700	31.392	710	32.292
720	33.232	730	34.609	740	37.428	750	31.285	760	38.157	770	47.476	780	57.227								

(1). ANSI Z80.3:2010	PASS	Lens Primary Function	General Purpose
(2). EN 1836:2005 (A1:2007)	PASS	Filter Category	3
(3). EN ISO 12312-1:2013	PASS	Filter Category	3
(4). AS/NZS 1067:2003 (A1:2009)	PASS	Lens Category	3