Sunglasses Certification Report

Sample Name: XE3 Nylon Polarized DS244
Company: Insqector:A
Material: XE3 Nylon Polarized SRN13/0027
Size: Dec B800x83x60x2.0 2013-07-20

Standard: ANSI Z80.3:2010

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	13.85%	8% - 40%	PASS
Color Limit, Yellow(x,y)	(0.5917 , 0.4073)		PASS
Color Limit, Green(x,y)	(0.2067 , 0.4052)		PASS
Color Limit, D65(x,y)	(0.3353 , 0.3458)		PASS
Tsig, Red Signal	17.43%	>= 8%	PASS
Tsig, Yellow Signal	14.57%	>= 6%	PASS
Tsig, Green Signal	13.28%	>= 6%	PASS
Tmin (475 - 650nm)	11.35%	>= 2.77% (0.2Tv)	PASS
Tmean UVB (280 - 315nm)	0.00%	<= 1.73% (0.125Tv)	PASS
Tmean UVA (315 - 380nm)	0.00%	<= 13.85% (Tv)	PASS
Tsb (380 - 500nm)	11.16%		

Standard: EN 1836:2005 (A1:2007)

Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	13.82%	8% - 18%	PASS
Q, Red	1.16	>= 0.80	PASS
Q, Yellow	1.05	>= 0.80	PASS
Q, Green	0.95	>= 0.60	PASS
Q, Blue	1.07	>= 0.40	PASS
Tmean (280 - 315nm)	0.00%	<= 1.38% (0.1Tv)	PASS
Tmean (315 - 350nm)	0.00%	<= 6.91% (0.5Tv)	PASS
Tmin (500 - 650nm)	11.35%	>= 2.76% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 6.91% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%		
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	11.16%		

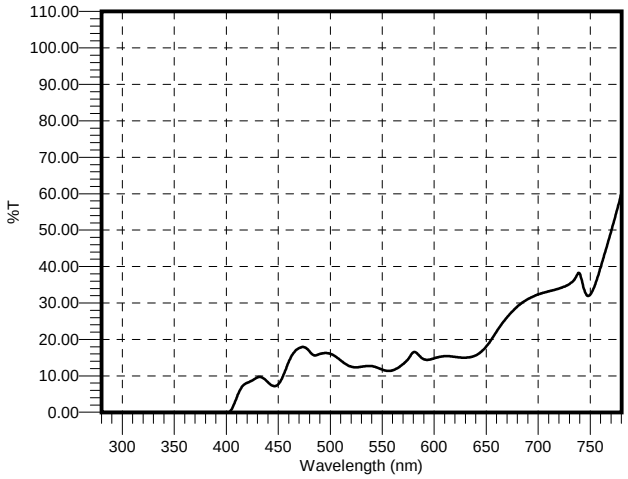
Standard: EN ISO 12312-1:2013

Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	13.80%	8% - 18%	PASS
Incandescent Lights			
Q, Red	1.18	>= 0.80	PASS
Q, Yellow	1.04	>= 0.60	PASS
Q, Green	0.94	>= 0.60	PASS
Q, Blue	1.05	>= 0.60	PASS
Tmin (475 - 650nm)	11.35%	>= 2.76% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 6.90% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%	<= 1.0%	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	11.16%		

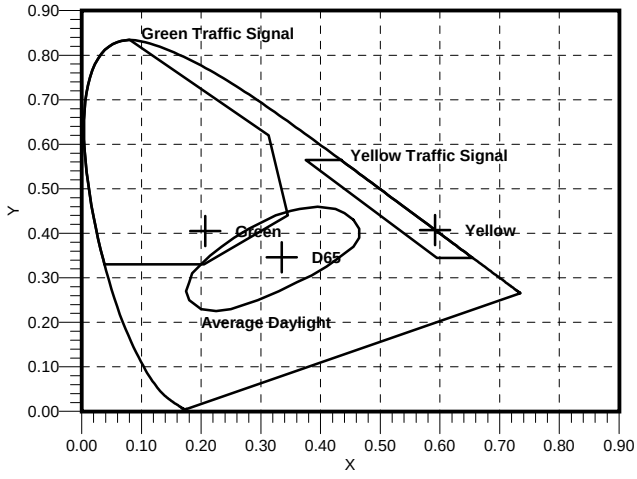
Standard: AS/NZS 1067:2003 (A1:2009)

Item	Value	Requirement	Result
Lens Category	3		
Luminous Transmittance Tv	13.82%	8% - 18%	PASS
Q, Red	1.16	>= 0.80	PASS
Q, Yellow	1.05	>= 0.80	PASS
Q, Green	0.95	>= 0.60	PASS
Q, Blue	1.07	>= 0.70	PASS
Tmean (280 - 315nm)	0.00%	<= 0.69% (0.05Tv)	PASS
Tmean (315 - 350nm)	0.00%	<= 6.91% (0.5Tv)	PASS
Tmin (450 - 650nm)	7.73%	>= 2.76% (0.2Tv)	PASS
Tsuva (315 - 400nm)	0.00%	<= 6.91% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%		
Tsuv (280 - 400nm)	0.00%		
Tsb (400 - 500nm)	11.19%		

Transmittance Spectrum



Color Limit Regions of Acceptance



Spectrum Data:

nm	%T	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	4.009	420	8.062	430	9.584	440	8.262	450	7.728	460	13.838	470	17.613	480	16.732	490	16.006
500	16.057	510	14.248	520	12.513	530	12.497	540	12.672	550	11.721	560	11.522	570	13.238	580	16.472	590	14.566	600	14.805
610	15.394	620	15.211	630	15.004	640	15.636	650	18.025	660	22.189	670	26.051	680	29.024	690	31.036	700	32.351	710	33.187
720	33.980	730	35.197	740	38.091	750	32.270	760	39.666	770	49.516	780	59.607								

(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