Sunglasses Certification Report

Sample Name: XE3 Nylon Polarized DS248
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	12.91%	8% - 40%	PASS
Color Limit, Yellow(x,y)	(0.5840 , 0.4148)		PASS
Color Limit, Green(x,y)	(0.1881 , 0.3718)		PASS
Color Limit, D65(x,y)	(0.2915 , 0.3114)		PASS
Tsig, Red Signal	14.02%	>= 8%	PASS
Tsig, Yellow Signal	12.16%	>= 6%	PASS
Tsig, Green Signal	13.33%	>= 6%	PASS
Tmin (475 - 650nm)	10.83%	>= 2.58% (0.2Tv)	PASS
Tmean UVB (280 - 315nm)	0.00%	<= 1.61% (0.125Tv)	PASS
Tmean UVA (315 - 380nm)	0.00%	<= 12.91% (Tv)	PASS
Tsb (380 - 500nm)	14.51%		

Standard: EN 1836:2005 (A1:2007)

Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	12.91%	8% - 18%	PASS
Q, Red	0.98	>= 0.80	PASS
Q, Yellow	0.94	>= 0.80	PASS
Q, Green	1.02	>= 0.60	PASS
Q, Blue	1.20	>= 0.40	PASS
Tmean (280 - 315nm)	0.00%	<= 1.29% (0.1Tv)	PASS
Tmean (315 - 350nm)	0.00%	<= 6.45% (0.5Tv)	PASS
Tmin (500 - 650nm)	10.83%	>= 2.58% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 6.45% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%		
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	14.51%		

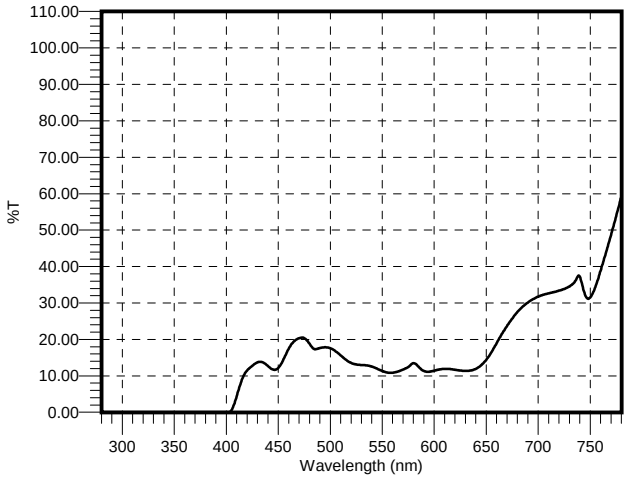
Standard: EN ISO 12312-1:2013

Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	12.89%	8% - 18%	PASS
Incandescent Lights			
Q, Red	1.00	>= 0.80	PASS
Q, Yellow	0.95	>= 0.60	PASS
Q, Green	0.99	>= 0.60	PASS
Q, Blue	1.22	>= 0.60	PASS
Tmin (475 - 650nm)	10.83%	>= 2.58% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 6.44% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%	<= 1.0%	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	14.51%		

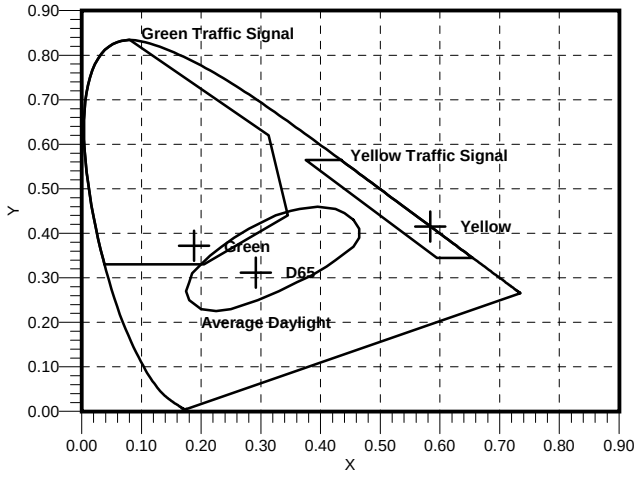
Standard: AS/NZS 1067:2003 (A1:2009)

Item	Value	Requirement	Result
Lens Category	3		
Luminous Transmittance Tv	12.91%	8% - 18%	PASS
Q, Red	0.98	>= 0.80	PASS
Q, Yellow	0.94	>= 0.80	PASS
Q, Green	1.02	>= 0.60	PASS
Q, Blue	1.20	>= 0.70	PASS
Tmean (280 - 315nm)	0.00%	<= 0.65% (0.05Tv)	PASS
Tmean (315 - 350nm)	0.00%	<= 6.45% (0.5Tv)	PASS
Tmin (450 - 650nm)	10.83%	>= 2.58% (0.2Tv)	PASS
Tsuva (315 - 400nm)	0.00%	<= 6.45% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%		
Tsuv (280 - 400nm)	0.00%		
Tsb (400 - 500nm)	14.56%		

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	4.348	420	11.484	430	13.714	440	12.703	450	12.176	460	17.465	470	20.316	480	18.818	490	17.635
500	17.588	510	15.635	520	13.555	530	12.978	540	12.554	550	11.335	560	10.865	570	11.718	580	13.473	590	11.337	600	11.418
610	11.920	620	11.684	630	11.367	640	11.925	650	14.378	660	18.975	670	23.678	680	27.534	690	30.131	700	31.743	710	32.665
720	33.389	730	34.510	740	37.318	750	31.500	760	38.748	770	48.601	780	58.731								

(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