

Sunglasses Certification Report

Customer Ref Code	:		Sample Remark	:	
Lens Type	:	light red			
Lens Ref Code	:				

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	18.29 %	8% ~ 40%	PASS
Color Limit, Yellow(x,y)	(0.6682, 0.3315)		FAILED
Color Limit, Green(x,y)	(0.4580, 0.3042)		FAILED
Color Limit, D65(x,y)	(0.6004, 0.3080)		FAILED
Tsig, Red Signal	86.329 %	>=8.00%	PASS
Tsig, Yellow Signal	37.161 %	>=6.00%	PASS
Tsig, Green Signal	4.395 %	>=6.00%	FAILED
Tmin (475- 650nm)	0.00 %	>=3.66%(0.2Tv)	FAILED
Tmax UVB (280- 315nm)	0.08 %	<=2.29%(0.125Tv)	PASS
Tmax UVA (315- 380nm)	0.00 %	<=18.29%(Tv)	PASS
Tsb (380- 500nm)	6.34 %		

Standard: EN ISO 12312-1:2013(A1:2015)

Item	Value	Requirement	Result
Filter Category	2		
Luminous Transmittance Tv	18.29 %	18% ~ 43%	PASS
Incandescent Lights			
Q, Red	4.08	>=0.80	PASS
Q, Yellow	1.89	>=0.60	PASS
Q, Green	0.24	>=0.60	FAILED
Q, Blue	0.33	>=0.60	FAILED
LED Signal Lights			
Q, Red	4.55	>=0.80	PASS
Q, Yellow	1.76	>=0.60	PASS
Q, Green	0.03	>=0.60	FAILED
Q, Blue	0.13	>=0.60	FAILED
Tmin (475- 650nm)	0.00 %	>=3.66%(0.2Tv)	FAILED
Tsuv (315- 380nm)	0.08 %	<=9.14%(0.5Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=1.00%	PASS
Tsuv (280- 380nm)	0.05 %		
Tsb (380- 500nm)	6.34 %		
Road Use And Driving			FAILED
Driving In Twilight or Night	18.29	Tv >= 75%	NA

Standard:AS/NZS 1067.1:2016

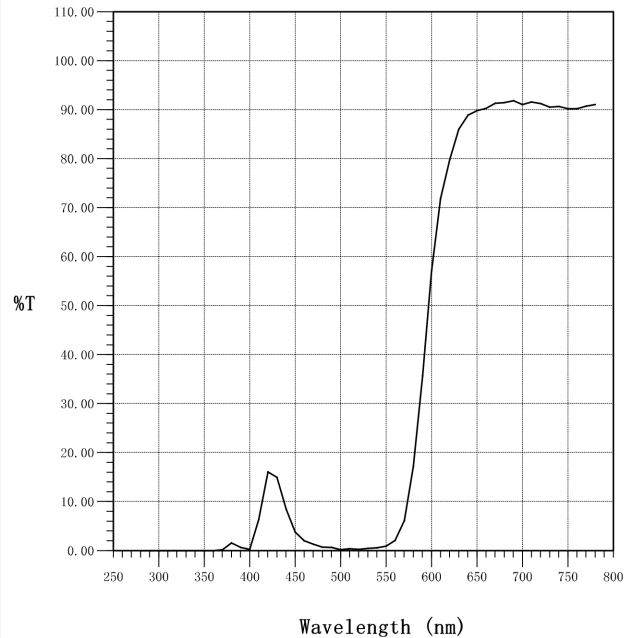
Item	Value	Requirement	Result
Lens Category	2		
Luminous Transmittance Tv	18.29 %	18% ~ 43%	PASS
Incandescent Lights			
Q, Red	4.08	>=0.80	PASS
Q, Yellow	1.89	>=0.60	PASS
Q, Green	0.24	>=0.60	FAILED
Q, Blue	0.33	>=0.70	FAILED
LED Signal Lights			
Q, Red	4.55	>=0.80	PASS
Q, Yellow	1.76	>=0.60	PASS
Q, Green	0.03	>=0.60	FAILED
Q, Blue	0.13	>=0.70	FAILED
Tmin (475-650nm)	0.00 %	>=3.66%(0.2Tv)	FAILED
Tsuv (315- 400nm)	0.13 %	<=18.29%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=0.91%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.05 %		
Tsb (380- 500nm)	6.34 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
 L*=48.311 a*=72.780 b*=34.141

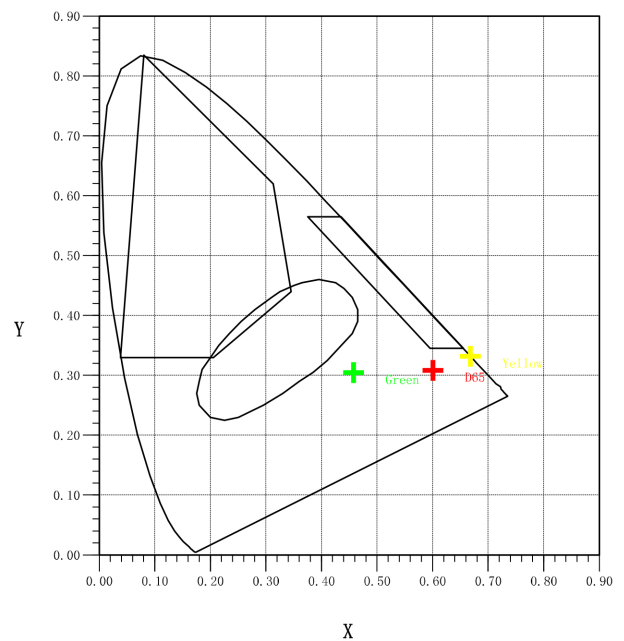
Spectrum Data:

nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T
280	0.00	290	0.00	300	0.00	310	0.00	320	0.00	330	0.00	340	0.00	350	0.00	360	0.00	370	0.23	380	1.58	390	0.63
400	6.35	410	16.08	420	43.00	430	14.93	440	8.43	450	3.80	460	2.05	470	1.29	480	0.71	490	0.62	500	0.19	510	0.41
520	0.62	530	0.93	540	2.10	550	6.11	560	17.18	570	35.68	580	57.10	590	71.85	600	79.91	610	86.02	620	88.87	630	89.81
640	91.33	650	91.45	660	91.83	670	91.03	680	91.58	690	91.22	700	90.57	710	90.64	720	90.21	730	90.22	740	90.70	750	91.09

Transmittance Spectrum



Color Limit Regions of Acceptance



(1). ANSI Z80.3:2018	FAILED	Lens Primary Function	General Purpose
(2). EN ISO 12312-1:2013(A1:2015)	FAILED	Filter Category	2
(3). AS/NZS 1067.1:2016	FAILED	Lens Category	2