

Sunglasses Certification Report

Customer Ref Code :
Lens Type : yellow
Lens Ref Code :

Sample Remark :

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	87.09 %	> 40%	PASS
Color Limit, Yellow(x,y)	(0.5772 , 0.4215)		PASS
Color Limit, Green(x,y)	(0.2237 , 0.4894)		PASS
Color Limit, D65(x,y)	(0.3603 , 0.4152)		PASS
Tsig, Red Signal	90.476 %	>=8.00%	PASS
Tsig, Yellow Signal	89.361 %	>=6.00%	PASS
Tsig, Green Signal	86.385 %	>=6.00%	PASS
Tmin (475- 650nm)	77.47 %	>=17.42%(0.2Tv)	PASS
Tmax UVB (280- 315nm)	0.04 %	<=10.89%(0.125Tv)	PASS
Tmax UVA (315- 380nm)	0.00 %	<=87.09%(Tv)	PASS
Tsb (380- 500nm)	39.70 %		

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

Item	Value	Requirement	Result
Filter Category	0		
Luminous Transmittance Tv	87.09 %	> 80%	PASS
Incandescent Lights			
Q, Red	1.04	>=0.80	PASS
Q, Yellow	1.02	>=0.60	PASS
Q, Green	1.00	>=0.60	PASS
Q, Blue	0.90	>=0.60	PASS
LED Signal Lights			
Q, Red	1.04	>=0.80	PASS
Q, Yellow	1.02	>=0.60	PASS
Q, Green	0.98	>=0.60	PASS
Q, Blue	0.71	>=0.60	PASS
Tmin (475- 650nm)	77.47 %	>=17.42%(0.2Tv)	PASS
Tsuva (315- 380nm)	0.07 %	<=87.09%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=4.35%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.04 %		
Tsb (380- 500nm)	39.70 %		
Road Use And Driving			PASS
Driving In Twilight or Night	87.09	Tv >= 75%	PASS

Standard:AS/NZS 1067.1:2016

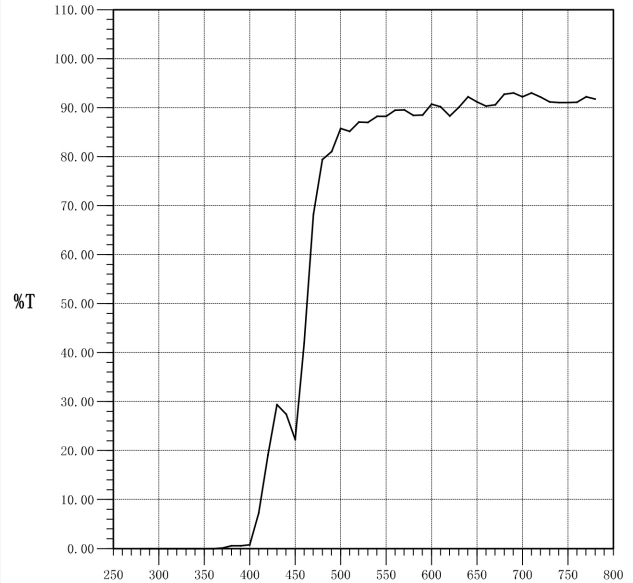
Item	Value	Requirement	Result
Lens Category	0		
Luminous Transmittance Tv	87.09 %	> 80%	PASS
Incandescent Lights			
Q, Red	1.04	>=0.80	PASS
Q, Yellow	1.02	>=0.60	PASS
Q, Green	1.00	>=0.60	PASS
Q, Blue	0.90	>=0.70	PASS
LED Signal Lights			
Q, Red	1.04	>=0.80	PASS
Q, Yellow	1.02	>=0.60	PASS
Q, Green	0.98	>=0.60	PASS
Q, Blue	0.71	>=0.70	PASS
Tmin (475-650nm)	77.47 %	>=17.42%(0.2Tv)	PASS
Tsuva (315- 400nm)	0.12 %	<=87.09%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=4.35%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.04 %		
Tsb (380- 500nm)	39.70 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=94.168 a*=-12.674 b*=41.868

Spectrum Data:

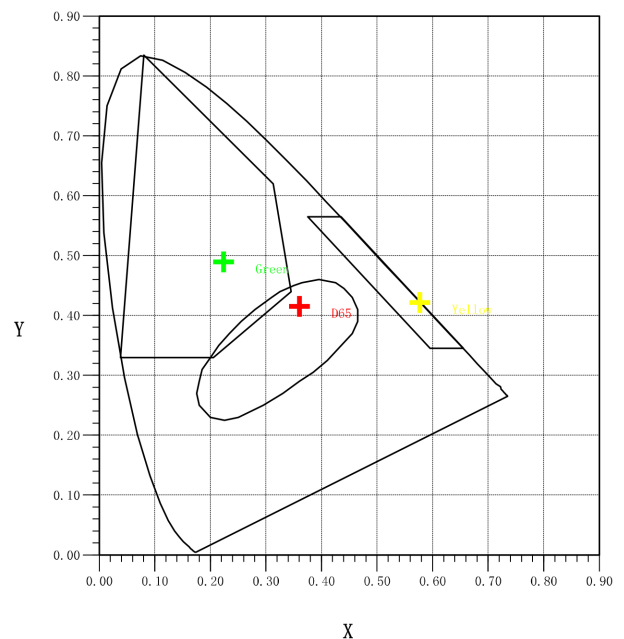
nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T
280	0.00	290	0.00	300	0.00	310	0.00	320	0.00	330	0.00	340	0.00	350	0.00	360	0.00	370	0.11	380	0.57	390	0.58	400	0.80
410	7.25	420	19.16	430	29.41	440	27.44	450	22.27	460	41.96	470	68.27	480	79.43	490	81.07	500	85.76	510	85.16	520	87.07	530	87.04
540	88.27	550	88.25	560	89.50	570	89.57	580	88.47	590	88.50	600	90.72	610	90.21	620	88.29	630	90.08	640	92.24	650	91.20	660	90.33
670	90.59	680	92.73	690	93.02	700	92.25	710	93.01	720	92.14	730	91.16	740	91.06	750	91.06	760	91.15	770	92.21	780	91.74		

Transmittance Spectrum



Wavelength (nm)

Color Limit Regions of Acceptance



(1). ANSI Z80.3:2018
(2). EN ISO 12312-1:2013(A1:2015)
(3). AS/NZS 1067.1:2016

PASS
PASS
PASS

Lens Primary Function
Filter Category
Lens Category

Cosmetic Lens
0
0