

Sunglasses Certification Report

Customer Ref Code :
Lens Type : orange
Lens Ref Code :

Sample Remark :

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	51.91 %	> 40%	PASS
Color Limit, Yellow(x,y)	(0.6031 , 0.3960)		PASS
Color Limit, Green(x,y)	(0.3306 , 0.5534)		FAILED
Color Limit, D65(x,y)	(0.5018 , 0.4435)		FAILED
Tsig, Red Signal	89.484 %	>=8.00%	PASS
Tsig, Yellow Signal	72.477 %	>=6.00%	PASS
Tsig, Green Signal	37.803 %	>=6.00%	PASS
Tmin (475- 650nm)	12.52 %	>=10.38%(0.2Tv)	PASS
Tmax UVB (280- 315nm)	0.13 %	<=6.49%(0.125Tv)	PASS
Tmax UVA (315- 380nm)	0.00 %	<=51.91%(Tv)	PASS
Tsb (380- 500nm)	5.38 %		

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

Item	Value	Requirement	Result
Filter Category	1		
Luminous Transmittance Tv	51.91 %	43% ~ 80%	PASS
Incandescent Lights			
Q, Red	1.70	>=0.80	PASS
Q, Yellow	1.33	>=0.60	PASS
Q, Green	0.79	>=0.60	PASS
Q, Blue	0.47	>=0.60	FAILED
LED Signal Lights			
Q, Red	1.72	>=0.80	PASS
Q, Yellow	1.50	>=0.60	PASS
Q, Green	0.43	>=0.60	FAILED
Q, Blue	0.24	>=0.60	FAILED
Tmin (475- 650nm)	12.52 %	>=10.38%(0.2Tv)	PASS
Tsuva (315- 380nm)	0.06 %	<=51.91%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=2.60%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.04 %		
Tsb (380- 500nm)	5.38 %		
Road Use And Driving			FAILED
Driving In Twilight or Night	51.91	Tv >= 75%	NA

Standard:AS/NZS 1067.1:2016

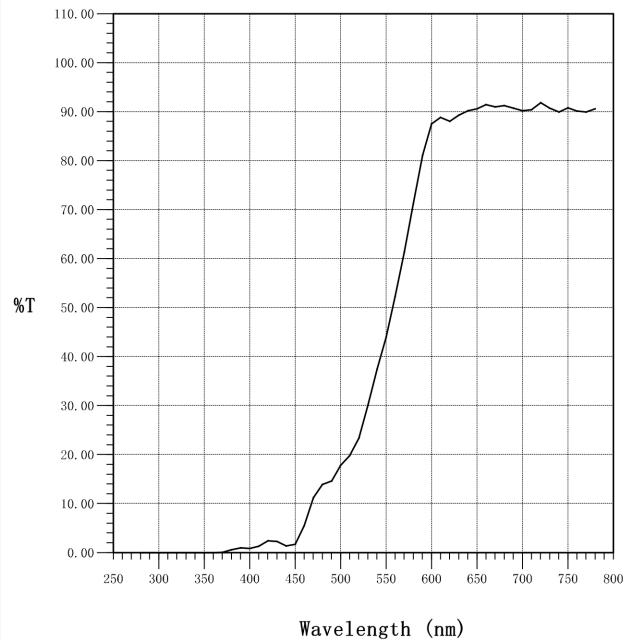
Item	Value	Requirement	Result
Lens Category	1		
Luminous Transmittance Tv	51.91 %	43% ~ 80%	PASS
Incandescent Lights			
Q, Red	1.70	>=0.80	PASS
Q, Yellow	1.33	>=0.60	PASS
Q, Green	0.79	>=0.60	PASS
Q, Blue	0.47	>=0.70	FAILED
LED Signal Lights			
Q, Red	1.72	>=0.80	PASS
Q, Yellow	1.50	>=0.60	PASS
Q, Green	0.43	>=0.60	FAILED
Q, Blue	0.24	>=0.70	FAILED
Tmin (475-650nm)	12.52 %	>=10.38%(0.2Tv)	PASS
Tsuva (315- 400nm)	0.12 %	<=51.91%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=2.60%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.04 %		
Tsb (380- 500nm)	5.38 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=75.213 a*=27.678 b*=80.770

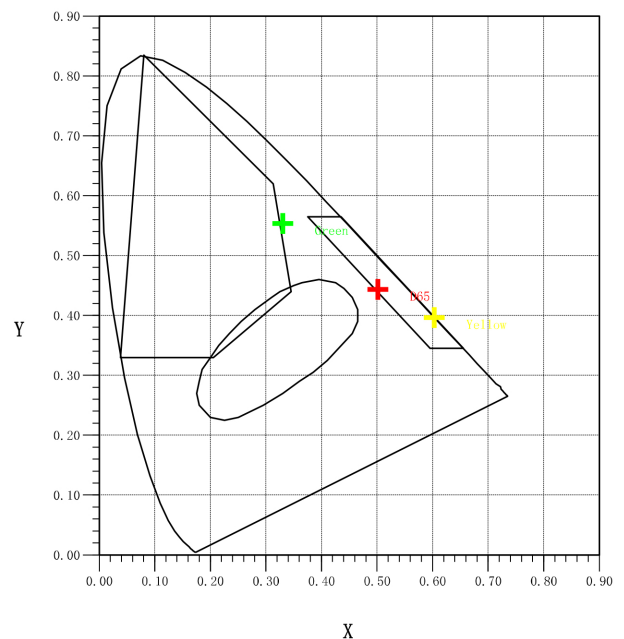
Spectrum Data:

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	0.07	380	0.59	390	0.95	400	0.83
410	1.32	420	2.42	430	2.26	440	1.36	450	1.72	460	5.51	470	11.22	480	13.92	490	14.61	500	17.85	510	19.81	520	23.41	530	30.04
540	37.52	550	43.94	560	52.26	570	61.37	580	71.27	590	81.11	600	87.56	610	88.84	620	88.03	630	89.29	640	90.20	650	90.57	660	91.43
670	91.00	680	91.29	690	90.73	700	90.22	710	90.40	720	91.83	730	90.72	740	89.94	750	90.78	760	90.15	770	89.92	780	90.60		

Transmittance Spectrum



Color Limit Regions of Acceptance



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

FAILED
FAILED
FAILED

Lens Primary Function
Filter Category
Lens Category

Cosmetic Lens
1
1