Tel: Fax:

Lens Certification Report

Customer	:	Remark	:
Lens Name	: 蓝光		
Lens Type	:		

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	83.37 %	> 40 %	PASS
Color Limit, Yellow(x,y)	(0.5811 , 0.4178)		PASS
Color Limit, Green(x,y)	(0.2280 , 0.4532)		PASS
Color Limit, D65(x,y)	(0.3558 , 0.3778)		PASS
Tsig, Red Signal	94.393 %	>=8.00 %	PASS
Tsig, Yellow Signal	89.479 %	>=6.00 %	PASS
Tsig, Green Signal	79.825 %	>=6.00 %	PASS
Tmin (475- 650nm)	60.00 %	> =16.67 % (0.2Tv)	PASS
Tmax UVB (280- 315nm)	0.04 %	< =10.42 % (0.125Tv)	PASS
Tmax UVA (315- 380nm)	0.00 %	< =83.37 % (Tv)	PASS
Tsb (380- 500nm)	50.99 %		

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

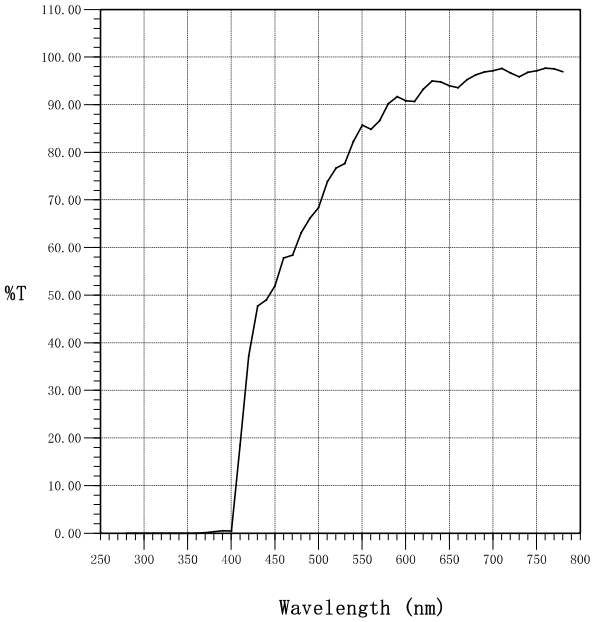
Item	Value	Requirement	Result
Filter Category	0		
Luminous Transmittance Tv	83.37 %	> 80 %	PASS
Incandescent Lights			
Q, Red	1.11	>=0.80	PASS
Q, Yellow	1.06	>=0.60	PASS
Q, Green	0.98	>=0.60	PASS
Q, Blue	0.86	>=0.60	PASS
LED Signal Lights			
Q, Red	1.13	>=0.80	PASS
Q, Yellow	1.09	>=0.60	PASS
Q, Green	0.87	>=0.60	PASS
Q, Blue	0.74	>=0.60	PASS
Tmin (475- 650nm)	60.00 %	> =16.67 % (0.2Tv)	PASS
Tsuva (315- 380nm)	0.03 %	< =83.37 % (Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	< =4.17 % (0.05Tv)	PASS
Tsuv (280- 380nm)	0.02 %		
Tsb (380- 500nm)	50.99 %		
Road Use And Driving			PASS
Driving In Twilight or Night	83.37	Tv >= 75 %	PASS

Standard:AS/NZS 1067.1:2016

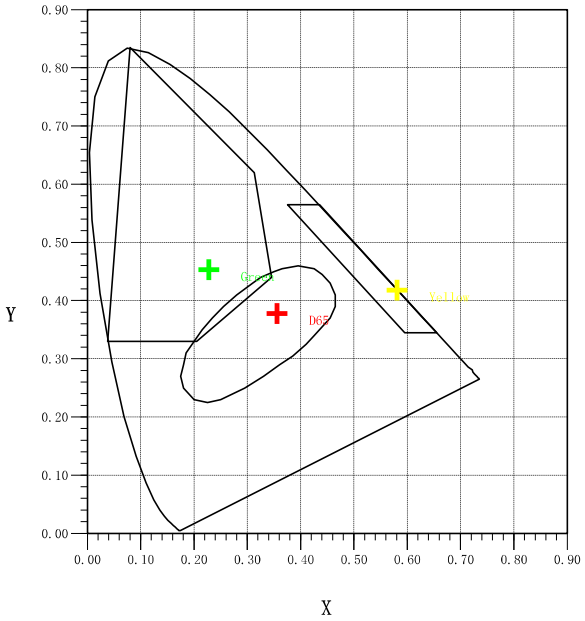
Item	Value	Requirement	Result
Lens Category	0		
Luminous Transmittance Tv	83.37 %	> 80 %	PASS
Incandescent Lights			
Q, Red	1.11	>=0.80	PASS
Q, Yellow	1.06	>=0.60	PASS
Q, Green	0.98	>=0.60	PASS
Q, Blue	0.86	>=0.70	PASS
LED Signal Lights			
Q, Red	1.13	>=0.80	PASS
Q, Yellow	1.09	>=0.60	PASS
Q, Green	0.87	>=0.60	PASS
Q, Blue	0.74	>=0.70	PASS
Tmin (475-650nm)	60.00 %	> =16.67 % (0.2Tv)	PASS
Tsuva (315- 400nm)	0.08 %	< =83.37 % (Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	< =4.17 % (0.05Tv)	PASS
Tsuv (280- 380nm)	0.02 %		
Tsb (380- 500nm)	50.99 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=92.456 a*=0.497 b*=25.627

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	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	0.14	380	0.33	390	0.54	400	0.50
410	18.49	420	37.24	430	47.76	440	49.04	450	51.97	460	57.81	470	58.45	480	63.16	490	66.14	500	68.40	510	73.90	520	76.73	530	77.68
540	82.32	550	85.75	560	84.83	570	86.64	580	90.22	590	91.71	600	90.80	610	90.67	620	93.26	630	95.00	640	94.83	650	93.98	660	93.62
670	95.25	680	96.27	690	96.87	700	97.15	710	97.62	720	96.69	730	95.89	740	96.84	750	97.18	760	97.71	770	97.54	780	96.93		

(1). ANSI Z80.3:2018	PASS	Lens Primary Function	Cosmetic Lens
(2). EN ISO 12312-1:2013(A1:2015)	PASS	Filter Category	0
(3). AS/NZS 1067.1:2016	PASS	Lens Category	0
(4). UV380	PASS		
(5). UV400	PASS		

Measurements performed by the Micro-Light Optics Co.,Ltd