Wenzhou LM Optical Co.,ltd

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Certification Report

Customer Ref Code	: L021-H3MX	Sample Remark	:
Lens Type	: 240825		
Lens Ref Code	:		

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	97.08 %	> 40%	PASS
Color Limit, Yellow(x,y)	(0.5768 , 0.4220)		PASS
Color Limit, Green(x,y)	(0.2136 , 0.4305)		PASS
Color Limit, D65(x,y)	(0.3314 , 0.3622)		PASS
Tsig, Red Signal	98.76 %	>=8.00%	PASS
Tsig, Yellow Signal	98.53 %	>=6.00%	PASS
Tsig, Green Signal	96.54 %	>=6.00%	PASS
Tmin (475- 650nm)	91.12 %	>=19.42%(0.2Tv)	PASS
Tmax UVB (280- 315nm)	0.00 %	<=12.14%(0.125Tv)	PASS
Tmax UVA (315- 380nm)	0.10 %	<=97.08%(Tv)	PASS
Tsb (380- 500nm)	69.65 %		

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

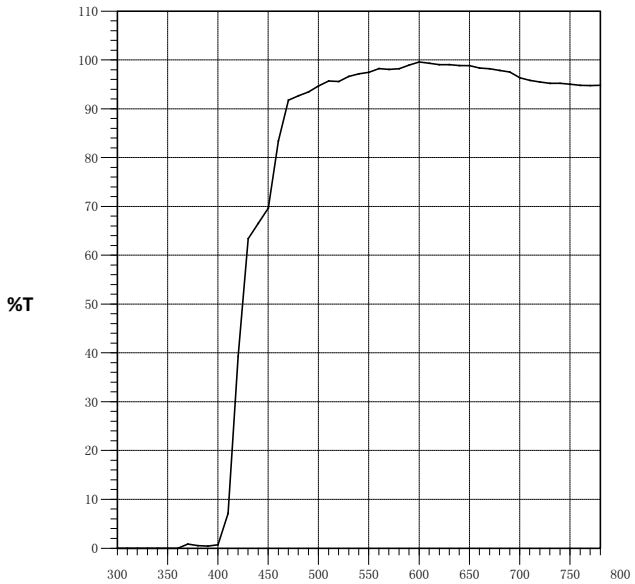
Item	Value	Requirement	Result
Filter Category	0		
Luminous Transmittance Tv	97.08 %	> 80%	PASS
Incandescent Lights			
Q, Red	1.02	>=0.80	PASS
Q, Yellow	1.01	>=0.60	PASS
Q, Green	1.00	>=0.60	PASS
Q, Blue	0.96	>=0.60	PASS
Tmin (475- 650nm)	91.12 %	>=19.42%(0.2Tv)	PASS
Tsuva (315- 380nm)	0.06 %	<=97.08%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=4.85%(0.05Tv)	PASS
Tsuv (280- 400nm)	0.04 %		
Tsb (380- 500nm)	69.65 %		
Road Use And Driving			PASS
Driving In Twilight or Night	97.08	Tv >= 75% PASS	

Standard:AS/NZS 1067.1:2016

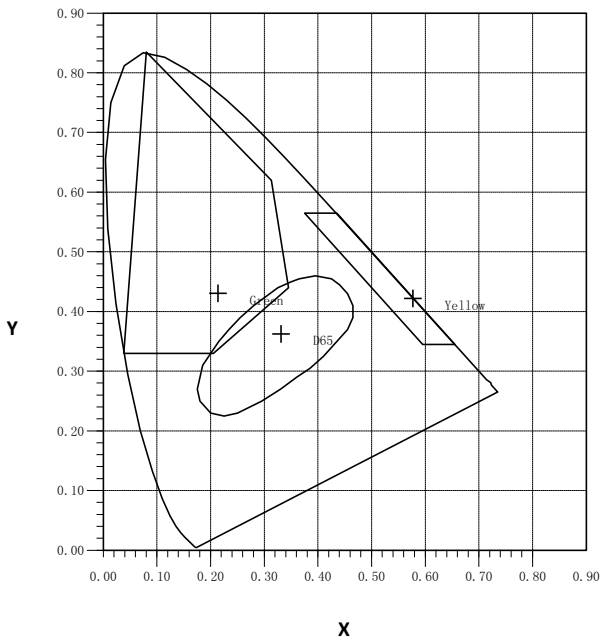
Item	Value	Requirement	Result
Lens Category	0		
Luminous Transmittance Tv	97.08 %	> 80%	PASS
Incandescent Lights			
Q, Red	1.02	>=0.80	PASS
Q, Yellow	1.01	>=0.60	PASS
Q, Green	1.00	>=0.60	PASS
Q, Blue	0.96	>=0.70	PASS
Tmin (475-650nm)	91.12 %	>=19.42%(0.2Tv)	PASS
Tsuva (315- 400nm)	0.10 %	<=97.08%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=4.85%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.04 %		
Tsb (380- 500nm)	69.65 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=98.573 a*=-6.047 b*=17.872

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	0.88	380	0.55	390	0.46	400	0.73
410	7.13	420	39.31	430	63.41	440	66.56	450	69.68	460	83.43	470	91.78	480	92.68	490	93.47	500	94.71	510	95.71	520	95.60	530	96.65
540	97.17	550	97.49	560	98.25	570	98.08	580	98.22	590	98.97	600	99.60	610	99.34	620	99.05	630	99.06	640	98.87	650	98.85	660	98.36
670	98.22	680	97.87	690	97.55	700	96.37	710	95.83	720	95.50	730	95.23	740	95.24	750	95.05	760	94.82	770	94.77	780	94.83		

(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