WENZHOU LM OPTICAL CO.,LTD

Tel: 0577-88801912 Fax:

Certification Report

Customer Ref Code : L021-H2MX
Lens Type : RESIN
Lens Ref Code :
Sample Remark :

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	85.34 %	> 40%	PASS
Color Limit, Yellow(x,y)	(0.5815 , 0.4173)		PASS
Color Limit, Green(x,y)	(0.2110 , 0.4276)		PASS
Color Limit, D65(x,y)	(0.3333 , 0.3622)		PASS
Tsig, Red Signal	93.56 %	>=8.00%	PASS
Tsig, Yellow Signal	86.87 %	>=6.00%	PASS
Tsig, Green Signal	84.64 %	>=6.00%	PASS
Tmin (475 - 650nm)	81.87 %	>=17.07%(0.2Tv)	PASS
Tmax UVB (280 - 315nm)	0.00 %	<=10.67%(0.125Tv)	PASS
Tmax UVA (315 - 380nm)	0.08 %	<=85.34%(Tv)	PASS
Tsb (380 - 500nm)	58.06 %		

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

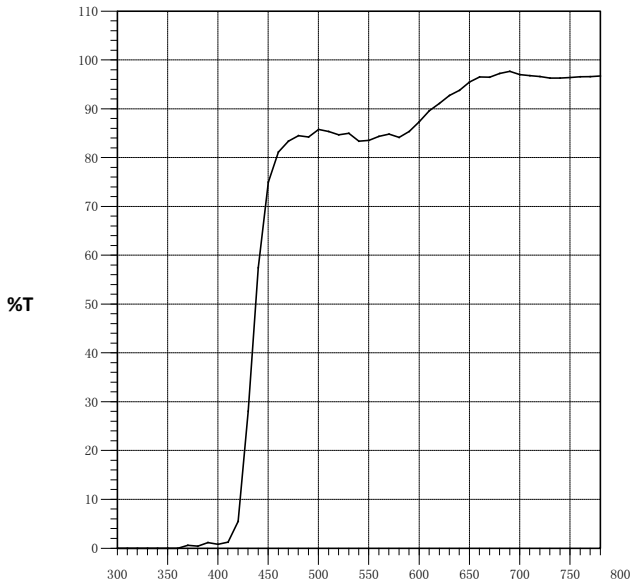
Item	Value	Requirement	Result
Filter Category	0		
Luminous Transmittance Tv	85.34 %	> 80%	PASS
Incandescent Lights			
Q, Red	1.07	>=0.80	PASS
Q, Yellow	1.02	>=0.60	PASS
Q, Green	0.99	>=0.60	PASS
Q, Blue	0.98	>=0.60	PASS
Tmin (475 - 650nm)	81.87 %	>=17.07%(0.2Tv)	PASS
Tsuva (315 - 380nm)	0.07 %	<=85.34%(Tv)	PASS
Tsuvb (280 - 315nm)	0.00 %	<=4.27%(0.05Tv)	PASS
Tsuv (280 - 400nm)	0.04 %		
Tsb (380 - 500nm)	58.06 %		
Road Use And Driving			PASS
Driving In Twilight or Night	85.34	Tv >= 75% PASS	

Standard:AS/NZS 1067.1:2016

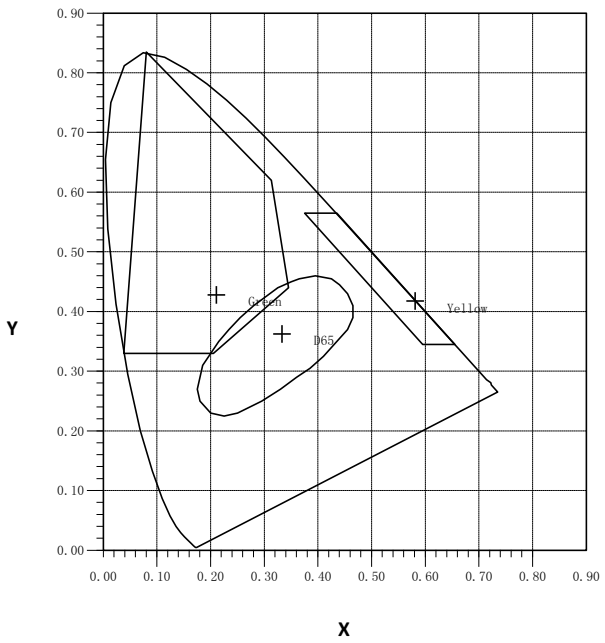
Item	Value	Requirement	Result
Lens Category	0		
Luminous Transmittance Tv	85.34 %	> 80%	PASS
Incandescent Lights			
Q, Red	1.07	>=0.80	PASS
Q, Yellow	1.02	>=0.60	PASS
Q, Green	0.99	>=0.60	PASS
Q, Blue	0.98	>=0.70	PASS
Tmin (475 -650nm)	81.87 %	>=17.07%(0.2Tv)	PASS
Tsuva (315 - 400nm)	0.16 %	<=85.34%(Tv)	PASS
Tsuvb (280 - 315nm)	0.00 %	<=4.27%(0.05Tv)	PASS
Tsuv (280 - 380nm)	0.04 %		
Tsb (380 - 500nm)	58.06 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=93.825 a*=-5.658 b*=18.039

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	0.62	380	0.45	390	1.18	400	0.83
410	1.27	420	5.52	430	28.06	440	57.46	450	74.98	460	81.15	470	83.39	480	84.51	490	84.24	500	85.79	510	85.37	520	84.69	530	85.00
540	83.38	550	83.55	560	84.37	570	84.83	580	84.16	590	85.37	600	87.36	610	89.62	620	91.11	630	92.75	640	93.80	650	95.51	660	96.54
670	96.49	680	97.25	690	97.69	700	97.02	710	96.81	720	96.62	730	96.30	740	96.31	750	96.42	760	96.58	770	96.60	780	96.73		

(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

2020.12.19