

WENZHOU LM OPTICAL

Tel: Fax:

Certification Report

Customer Ref Code : HR(LM41)
Lens Type : UC RESIN 2.0MM
Lens Ref Code :

Sample Remark :

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	49.22 %	> 40%	PASS
Color Limit, Yellow(x,y)	(0.5943 , 0.4047)		PASS
Color Limit, Green(x,y)	(0.2371 , 0.4416)		PASS
Color Limit, D65(x,y)	(0.3821 , 0.3742)		PASS
Tsig, Red Signal	69.91 %	>=8.00%	PASS
Tsig, Yellow Signal	57.32 %	>=6.00%	PASS
Tsig, Green Signal	43.47 %	>=6.00%	PASS
Tmin (475 - 650nm)	34.62 %	>=9.84%(0.2Tv)	PASS
Tmax UVB (280 - 315nm)	0.00 %	<=6.15%(0.125Tv)	PASS
Tmax UVA (315 - 380nm)	0.08 %	<=49.22%(Tv)	PASS
Tsb (380 - 500nm)	26.40 %		

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

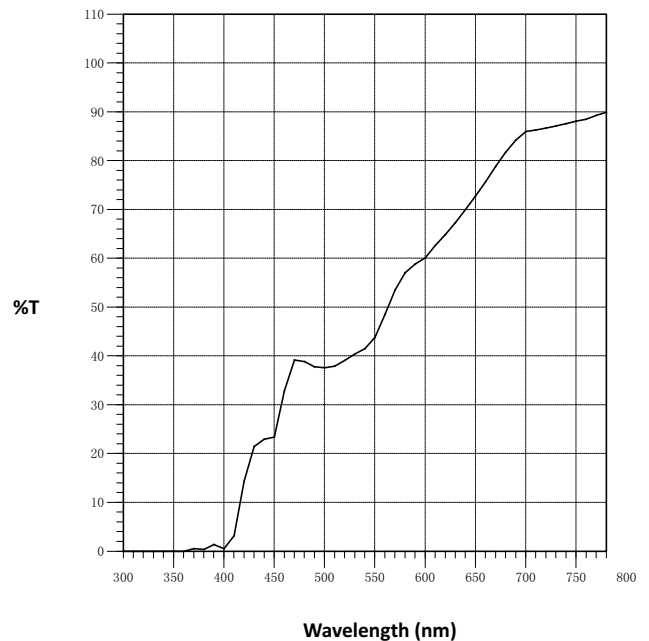
Item	Value	Requirement	Result
Filter Category	1		
Luminous Transmittance Tv	49.22 %	43% ~ 80%	PASS
Incandescent Lights			
Q, Red	1.34	>=0.80	PASS
Q, Yellow	1.14	>=0.60	PASS
Q, Green	0.90	>=0.60	PASS
Q, Blue	0.81	>=0.60	PASS
Tmin (475 - 650nm)	34.62 %	>=9.84%(0.2Tv)	PASS
Tsuva (315 - 380nm)	0.06 %	<=49.22%(Tv)	PASS
Tsuvb (280 - 315nm)	0.00 %	<=2.46%(0.05Tv)	PASS
Tsuv (280 - 400nm)	0.04 %		
Tsb (380 - 500nm)	26.40 %		
Road Use And Driving			PASS
Driving In Twilight or Night	49.22	Tv >= 75% NOT SUITABLE	

Standard:AS/NZS 1067.1:2016

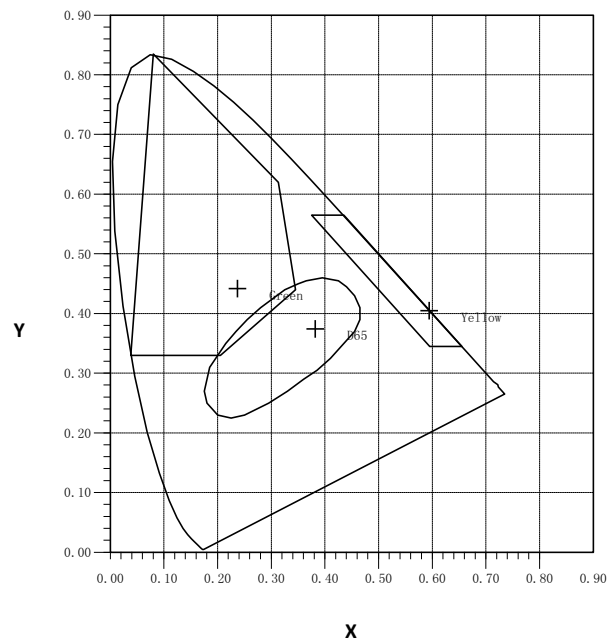
Item	Value	Requirement	Result
Lens Category	1		
Luminous Transmittance Tv	49.22 %	43% ~ 80%	PASS
Incandescent Lights			
Q, Red	1.34	>=0.80	PASS
Q, Yellow	1.14	>=0.60	PASS
Q, Green	0.90	>=0.60	PASS
Q, Blue	0.81	>=0.70	PASS
Tmin (475 - 650nm)	34.62 %	>=9.84%(0.2Tv)	PASS
Tsuva (315 - 400nm)	0.16 %	<=49.22%(Tv)	PASS
Tsuvb (280 - 315nm)	0.00 %	<=2.46%(0.05Tv)	PASS
Tsuv (280 - 380nm)	0.04 %		
Tsb (380 - 500nm)	26.40 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=74.812 a*=9.403 b*=26.653

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
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	0.54	380	0.39
410	3.17	420	14.38	430	21.48	440	22.96	450	23.39	460	32.86	470	39.18	480	38.86	490	37.79	500	37.60	510	37.92
540	41.50	550	43.81	560	48.52	570	53.51	580	57.05	590	58.83	600	60.11	610	62.66	620	64.87	630	67.32	640	70.00
670	78.84	680	81.76	690	84.21	700	85.98	710	86.29	720	86.68	730	87.11	740	87.58	750	88.10	760	88.49	770	89.29
																		780	89.92		

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