Tel: Fax:

Certification Report

Customer Ref Code	:	Sample Remark	:
Lens Type	:		
Lens Ref Code	:		

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	52.25 %	> 40%	PASS
Color Limit, Yellow(x,y)	(0.6093 , 0.3899)		PASS
Color Limit, Green(x,y)	(0.2681 , 0.4522)		PASS
Color Limit, D65(x,y)	(0.4377 , 0.3809)		PASS
Tsig, Red Signal	88.78 %	>=8.00%	PASS
Tsig, Yellow Signal	69.09 %	>=6.00%	PASS
Tsig, Green Signal	39.96 %	>=6.00%	PASS
Tmin (475- 650nm)	27.49 %	>=10.45%(0.2Tv)	PASS
Tmax UVB (280- 315nm)	0.11 %	<=6.53%(0.125Tv)	PASS
Tmax UVA (315- 380nm)	0.00 %	<=52.25%(Tv)	PASS
Tsb (380- 500nm)	18.64 %		

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

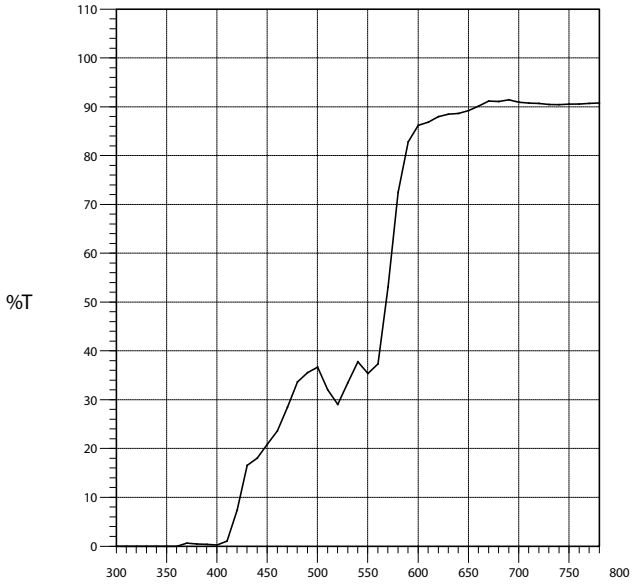
Item	Value	Requirement	Result
Filter Category	1		
Luminous Transmittance Tv	51.76 %	43% ~ 80%	PASS
Incandescent Lights			
Q, Red	1.68	>=0.80	PASS
Q, Yellow	1.27	>=0.60	PASS
Q, Green	0.79	>=0.60	PASS
Q, Blue	0.69	>=0.60	PASS
LED Signal Lights			
Q, Red	1.70	>=0.80	PASS
Q, Yellow	1.50	>=0.60	PASS
Q, Green	0.65	>=0.60	PASS
Q, Blue	0.56	>=0.60	FAILED
Tmin (475- 650nm)	27.49 %	>=10.40%(0.2Tv)	PASS
Tsuva (315- 380nm)	0.08 %	<=52.02%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=2.60%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.05 %		
Tsb (380- 500nm)	18.64 %		
Road Use And Driving			PASS
Driving In Twilight or Night	52.02	Tv >= 75%	NOT SUITABLE

Standard:AS/NZS 1067.1:2016

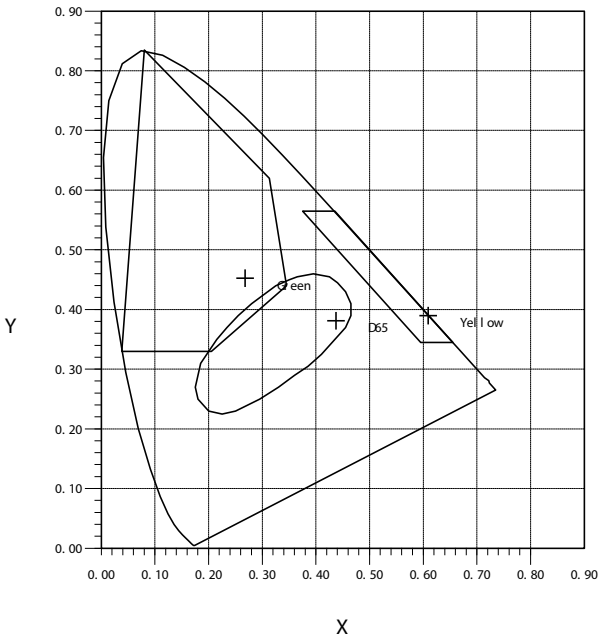
Item	Value	Requirement	Result
Lens Category	1		
Luminous Transmittance Tv	51.87 %	43% ~ 80%	PASS
Incandescent Lights			
Q, Red	1.68	>=0.80	PASS
Q, Yellow	1.27	>=0.60	PASS
Q, Green	0.79	>=0.60	PASS
Q, Blue	0.69	>=0.70	FAILED
LED Signal Lights			
Q, Red	1.70	>=0.80	PASS
Q, Yellow	1.50	>=0.60	PASS
Q, Green	0.65	>=0.60	PASS
Q, Blue	0.56	>=0.70	FAILED
Tmin (475-650nm)	28.84 %	>=10.37%(0.2Tv)	PASS
Tsuva (315- 400nm)	0.11 %	<=51.87%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=2.59%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.05 %		
Tsb (380- 500nm)	18.64 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=76.162 a*=25.875 b*=38.867

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	0.66	380	0.48	390	0.41	400	0.27
410	1.08	420	7.41	430	16.58	440	18.07	450	20.90	460	23.64	470	28.48	480	33.67	490	35.57	500	36.70	510	32.07	520	29.07	530	33.50
540	37.80	550	35.39	560	37.37	570	53.13	580	72.50	590	82.82	600	86.22	610	86.87	620	87.99	630	88.50	640	88.65	650	89.24	660	90.16
670	91.19	680	91.10	690	91.45	700	90.95	710	90.77	720	90.70	730	90.48	740	90.46	750	90.56	760	90.58	770	90.71	780	90.80		

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

Measurements performed by the Micro-Light Optics Co.,Ltd 2025.02.17