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Sunglasses Certification Report

Customer Ref Code	:	Sample Remark	:
Lens Type	: VVD32 单灰		
Lens Ref Code	: FS13-28		

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	13.47 %	8% ~ 40%	PASS
Color Limit, Yellow(x,y)	(0.5972 , 0.4018)		PASS
Color Limit, Green(x,y)	(0.1977 , 0.3905)		PASS
Color Limit, D65(x,y)	(0.3123 , 0.3156)		PASS
Tsig, Red Signal	19.606 %	>=8.00%	PASS
Tsig, Yellow Signal	13.496 %	>=6.00%	PASS
Tsig, Green Signal	13.462 %	>=6.00%	PASS
Tmin (475- 650nm)	10.90 %	>=2.69%(0.2Tv)	PASS
Tmax UVB (280- 315nm)	0.03 %	<=1.68%(0.125Tv)	PASS
Tmax UVA (315- 380nm)	0.00 %	<=13.47%(Tv)	PASS
Tsb (380- 500nm)	13.29 %		

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

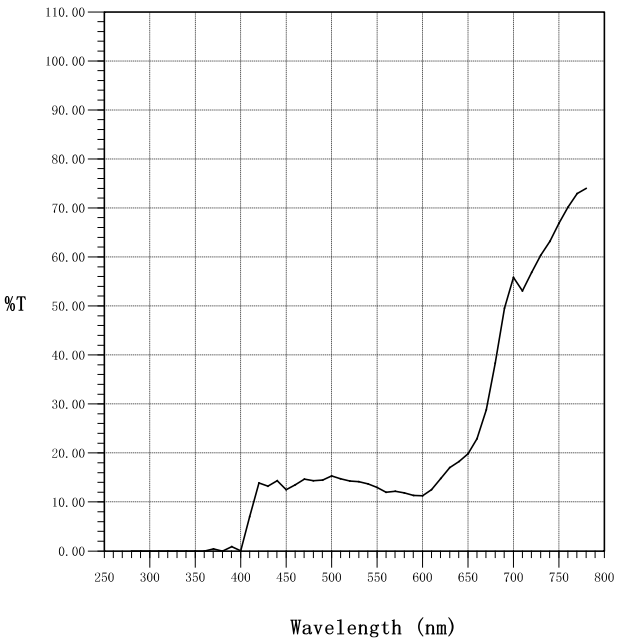
Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	13.47 %	8% ~ 18%	PASS
Incandescent Lights			
Q, Red	1.20	>=0.80	PASS
Q, Yellow	1.01	>=0.60	PASS
Q, Green	1.00	>=0.60	PASS
Q, Blue	1.13	>=0.60	PASS
Tmin (475- 650nm)	10.90 %	>=2.69%(0.2Tv)	PASS
Tsuva (315- 380nm)	0.03 %	<=6.73%(0.5Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=1.00%	PASS
Tsuv (280- 380nm)	0.02 %		
Tsb (380- 500nm)	13.29 %		
Road Use And Driving			PASS
Driving In Twilight or Night	13.47	Tv >= 75%	NA

Standard:AS/NZS 1067.1:2016

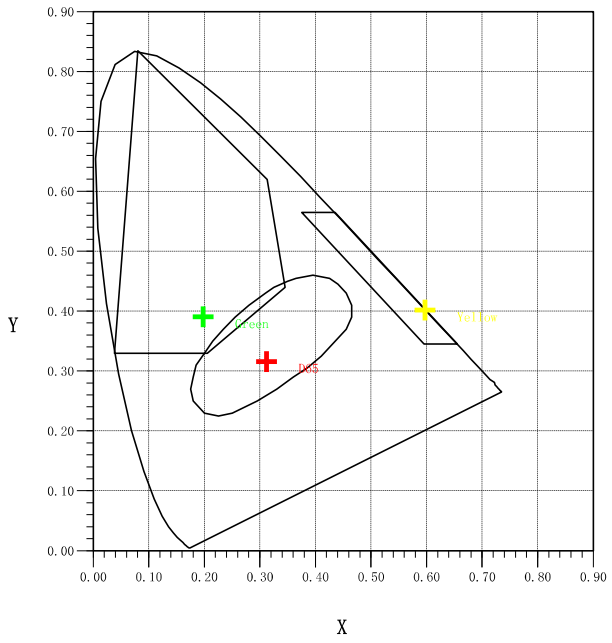
Item	Value	Requirement	Result
Lens Category	3		
Luminous Transmittance Tv	13.47 %	8% ~ 18%	PASS
Incandescent Lights			
Q, Red	1.20	>=0.80	PASS
Q, Yellow	1.01	>=0.60	PASS
Q, Green	1.00	>=0.60	PASS
Q, Blue	1.13	>=0.70	PASS
Tmin (475-650nm)	10.90 %	>=2.69%(0.2Tv)	PASS
Tsuva (315- 400nm)	0.09 %	<=6.73%(0.5Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=0.67%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.02 %		
Tsb (380- 500nm)	13.29 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=43.562 a*=0.344 b*=0.095

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	0.46	380	0.00	390	0.90	400	0.06
410	7.06	420	13.90	430	13.23	440	14.36	450	12.56	460	13.49	470	14.68	480	14.39	490	14.49	500	15.35	510	14.75	520	14.28	530	14.19
540	13.71	550	12.99	560	12.04	570	12.19	580	11.88	590	11.36	600	11.32	610	12.54	620	14.85	630	17.05	640	18.28	650	19.85	660	22.91
670	28.81	680	38.31	690	49.57	700	55.83	710	53.12	720	56.88	730	60.35	740	63.23	750	66.86	760	70.13	770	72.96	780	74.04		

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

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