EYEPOL POLARIZING TECHNOLOGY (XIAMEN) CO.,LTD.
NO.128 HOUXIANG SOUTH RD, XINYANG ST., HAICANG DIST., XIAMEN,CHINA
86-592-5507620

Sunglasses Certification Report

Sample Name: TAC-B22

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	22.30%	8% - 40%	PASS
Color Limit, Yellow(x,y)	(0.5983 , 0.4007)		PASS
Color Limit, Green(x,y)	(0.2494 , 0.4723)		PASS
Color Limit, D65(x,y)	(0.4035 , 0.3902)		PASS
Tsig, Red Signal	33.90%	>= 8%	PASS
Tsig, Yellow Signal	26.73%	>= 6%	PASS
Tsig, Green Signal	19.37%	>= 6%	PASS
Tmin (475 - 650nm)	12.43%	>= 4.46% (0.2Tv)	PASS
Tmax UVB (280 - 315nm)	0.00%	<= 2.79% (0.125Tv)	PASS
Tmax UVA (315 - 380nm)	0.00%	<= 22.30% (Tv)	PASS
Tsb (380 - 500nm)	10.05%		

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

Item	Value	Requirement	Result
Filter Category	2		
Luminous Transmittance Tv	22.22%	18% - 43%	PASS
Incandescent Lights			
Q, Red	1.43	>= 0.80	PASS
Q, Yellow	1.17	>= 0.60	PASS
Q, Green	0.89	>= 0.60	PASS
Q, Blue	0.75	>= 0.60	PASS
Tmin (475 - 650nm)	12.43%	>= 4.44% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 11.11% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%	<= 1.11% (0.05Tv)	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	10.05%		
Road Use and Driving			PASS
Driving In Twilight or At Night	22.22%	Tv >= 75%	NOT SUITABLE

Standard: AS/NZS 1067.1:2016

Item	Value	Requirement	Result
Lens Category	2		
Luminous Transmittance Tv	22.22%	18% - 43%	PASS
Incandescent Lights			
Q, Red	1.43	>= 0.80	PASS
Q, Yellow	1.17	>= 0.60	PASS
Q, Green	0.89	>= 0.60	PASS
Q, Blue	0.75	>= 0.70	PASS
Tmin (475 - 650nm)	12.43%	>= 4.44% (0.2Tv)	PASS
Tsuva (315 - 400nm)	0.00%	<= 11.11% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%	<= 1.11% (0.05Tv)	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	10.05%		
Road Use and Driving			PASS
Driving In Twilight or At Night			NOT SUITABLE

Standard: GB 10810.3:2006

Item	Value	Requirement	Result
Lens Category	2		
Luminous Transmittance Tv	22.22%	18% - 43%	PASS
Tsuva (315 - 380nm)	0.00%	<= 5%	PASS
Tsuvb (280 - 315nm)	0.00%	<= 1%	PASS

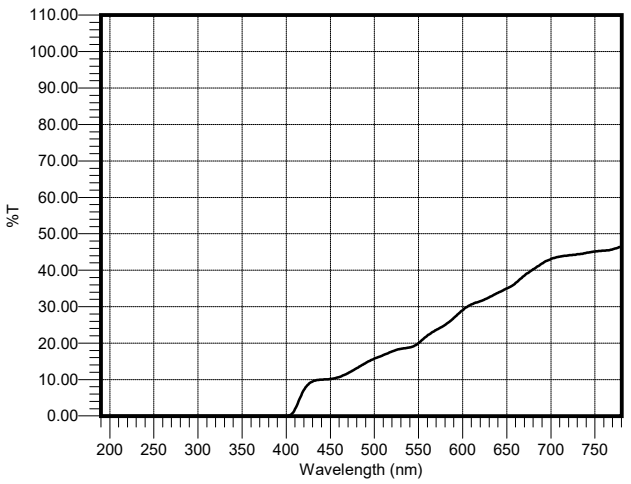
Standard: GB 39552.1:2020

Item	Value	Requirement	Result
Filter Category	2		
Luminous Transmittance Tv	22.22%	18% - 43%	PASS
Tsuvb (280 - 315nm)	0.00%	<= 1.11% (0.05Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 11.11% (0.5Tv)	PASS
Incandescent Lights			
Q, Red	1.43	>= 0.80	PASS
Q, Yellow	1.17	>= 0.60	PASS
Q, Green	0.89	>= 0.60	PASS
Q, Blue	0.75	>= 0.60	PASS
Tmin (475 - 650nm)	12.43%	>= 4.44% (0.2Tv)	PASS
Road Use and Driving			PASS
Driving In Twilight or At Night	22.22%	Tv >= 75%	NOT SUITABLE
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	10.05%		

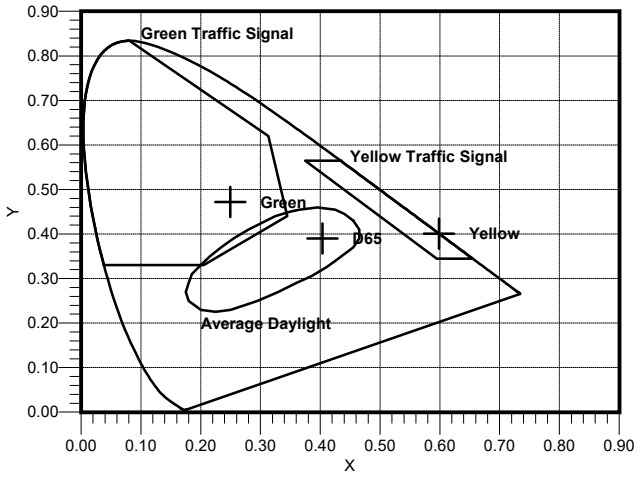
CIE 1976 L*, a*, b* color space coordinates, illuminant D65

L* = 54.3 **a* = 14.00** **b* = 28.55**

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
190	0.037	200	0.000	210	0.000	220	0.000	230	0.000	240	0.000	250	0.000	260	0.000	270	0.000	280	0.000	290	0.000
300	0.000	310	0.000	320	0.000	330	0.000	340	0.000	350	0.000	360	0.000	370	0.000	380	0.000	390	0.000	400	0.017
410	1.849	420	7.123	430	9.477	440	9.981	450	10.145	460	10.702	470	11.752	480	13.120	490	14.541	500	15.741	510	16.701
520	17.691	530	18.439	540	18.806	550	19.998	560	22.065	570	23.608	580	24.976	590	26.886	600	29.057	610	30.606	620	31.502
630	32.558	640	33.821	650	35.018	660	36.472	670	38.555	680	40.261	690	41.829	700	43.056	710	43.746	720	44.081	730	44.374
740	44.750	750	45.147	760	45.368	770	45.762	780	46.489												

(1). ANSI Z80.3:2018	PASS	Lens Primary Function	General Purpose
(2). EN ISO 12312-1:2013 (A1:2015)	PASS	Filter Category	2
(3). AS/NZS 1067.1:2016	PASS	Lens Category	2
(4). GB 10810.3:2006	PASS	Lens Category	2
(5). GB 39552.1:2020	PASS	Filter Category	2
(6). UV380	PASS		
UV400	PASS		