Informe
Lentes de Sol
Farmamoda

Nota Farmamoda: Lente Polarizada Color Verde

Sunglasses Certification Report

Sample Name: G15 TAC

Standard: ANSI Z80.3:2015

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	12.08%	8% - 40%	PASS
Color Limit, Yellow(x,y)	(0.5844 , 0.4143)		PASS
Color Limit, Green(x,y)	(0.1929 , 0.4169)		PASS
Color Limit, D65(x,y)	(0.3039 , 0.3421)		PASS
Tsig, Red Signal	13.74%	>= 8%	PASS
Tsig, Yellow Signal	11.23%	>= 6%	PASS
Tsig, Green Signal	12.79%	>= 6%	PASS
Tmin (475 - 650nm)	9.67%	>= 2.42% (0.2Tv)	PASS
Tmean UVB (280 - 315nm)	0.00%	<= 1.51% (0.125Tv)	PASS
Tmean UVA (315 - 380nm)	0.00%	<= 12.08% (Tv)	PASS
Tsb (380 - 500nm)	10.97%		

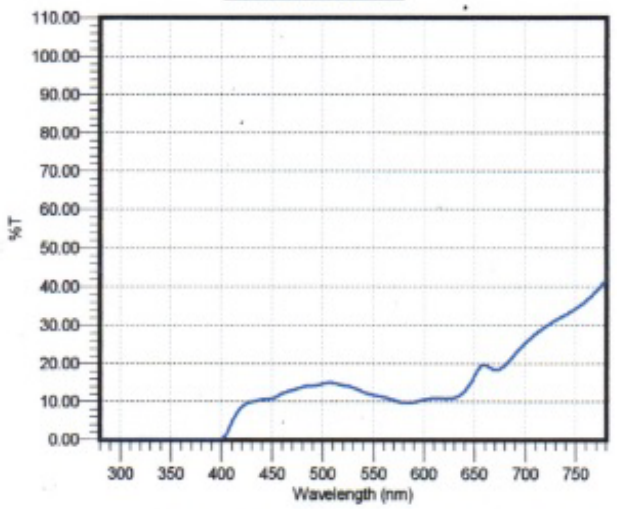
Standard: EN ISO 12312-1:2013 (A1:2015)

Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	12.11%	8% - 18%	PASS
Incandescent Lights			
Q, Red	1.01	>= 0.80	PASS
Q, Yellow	0.94	>= 0.60	PASS
Q, Green	1.03	>= 0.60	PASS
Q, Blue	1.14	>= 0.60	PASS
LED Signal Lights			
Q, Red	0.98	>= 0.80	PASS
Q, Yellow	0.82	>= 0.60	PASS
Q, Green	1.17	>= 0.60	PASS
Q, Blue	1.06	>= 0.60	PASS
Tmin (475 - 650nm)	9.67%	>= 2.42% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 6.06% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%	<= 1.0%	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	10.97%		
Road Use and Driving			PASS
Driving In Twilight or At Night	12.11%	Tv >= 75%	NOT SUITABLE

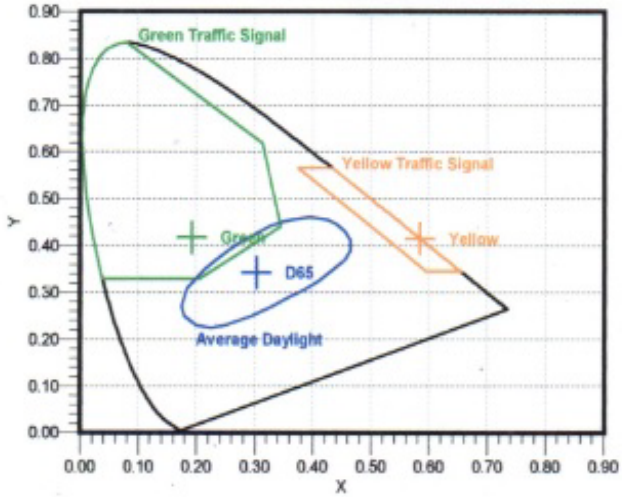
Standard: AS/NZS 1067:2003 (A1:2009)

Item	Value	Requirement	Result
Lens Category	3		
Luminous Transmittance Tv	12.12%	8% - 18%	PASS
Q, Red	0.99	>= 0.80	PASS
Q, Yellow	0.92	>= 0.80	PASS
Q, Green	1.05	>= 0.60	PASS
Q, Blue	1.16	>= 0.70	PASS
Tmean (280 - 315nm)	0.00%	<= 0.61% (0.05Tv)	PASS
Tmean (315 - 350nm)	0.00%	<= 6.06% (0.5Tv)	PASS
Tmin (450 - 650nm)	9.67%	>= 2.42% (0.2Tv)	PASS
Tsuva (315 - 400nm)	0.01%	<= 6.06% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%		
Tsuv (280 - 400nm)	0.01%		
Tsb (400 - 500nm)	11.00%		

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	0.001	290	0.000	300	0.001	310	0.000	320	0.000	330	0.001	340	0.005	350	0.007	360	0.005	370	0.006	380	0.017
390	0.040	400	0.238	410	4.415	420	8.593	430	9.975	440	10.544	450	10.856	460	12.140	470	13.050	480	13.822	490	14.233
500	14.743	510	14.947	520	14.410	530	13.732	540	12.639	550	11.803	560	11.306	570	10.464	580	9.725	590	9.857	600	10.568
610	10.930	620	10.882	630	11.114	640	12.800	650	16.762	660	19.756	670	18.512	680	19.616	690	22.583	700	25.447	710	27.818
720	29.759	730	31.367	740	32.816	750	34.404	760	36.414	770	38.884	780	41.736								

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Nota Farmamoda: Lente Polarizada Color Negro

Sunglasses Certification Report

Sample Name: TAC S15

Standard: ANSI Z80.3:2015

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	12.00%	8% - 40%	PASS
Color Limit, Yellow(x,y)	(0.5893 , 0.4096)		PASS
Color Limit, Green(x,y)	(0.1962 , 0.3906)		PASS
Color Limit, D65(x,y)	(0.3094 , 0.3247)		PASS
Tsig, Red Signal	14.71%	>= 8%	PASS
Tsig, Yellow Signal	11.79%	>= 6%	PASS
Tsig, Green Signal	12.14%	>= 6%	PASS
Tmin (475 - 650nm)	10.69%	>= 2.40% (0.2Tv)	PASS
Tmean UVB (280 - 315nm)	0.00%	<= 1.50% (0.125Tv)	PASS
Tmean UVA (315 - 380nm)	0.00%	<= 12.00% (Tv)	PASS
Tsb (380 - 500nm)	11.69%		

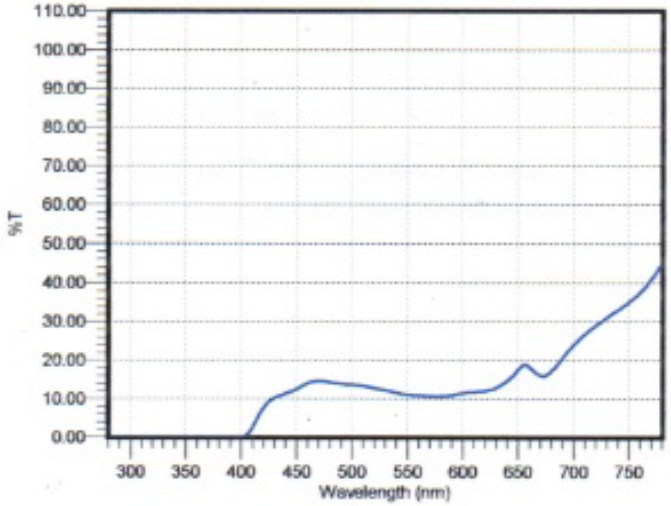
Standard: EN ISO 12312-1:2013 (A1:2015)

Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	12.00%	8% - 18%	PASS
Incandescent Lights			
Q, Red	1.10	>= 0.80	PASS
Q, Yellow	0.99	>= 0.60	PASS
Q, Green	0.99	>= 0.60	PASS
Q, Blue	1.11	>= 0.60	PASS
LED Signal Lights			
Q, Red	1.12	>= 0.80	PASS
Q, Yellow	0.91	>= 0.60	PASS
Q, Green	1.10	>= 0.60	PASS
Q, Blue	1.15	>= 0.60	PASS
Tmin (475 - 650nm)	10.69%	>= 2.40% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 6.00% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%	<= 1.0%	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	11.69%		
Road Use and Driving			PASS
Driving In Twilight or At Night	12.00%	Tv >= 75%	NOT SUITABLE

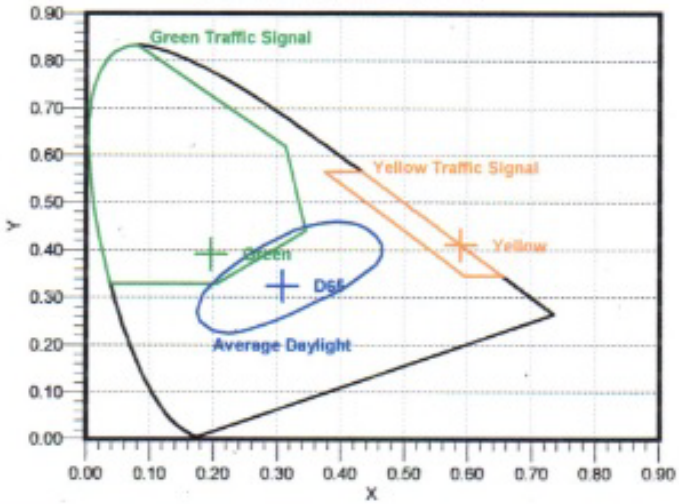
Standard: AS/NZS 1067:2003 (A1:2009)

Item	Value	Requirement	Result
Lens Category	3		
Luminous Transmittance Tv	12.00%	8% - 18%	PASS
Q, Red	1.09	>= 0.80	PASS
Q, Yellow	0.98	>= 0.80	PASS
Q, Green	1.01	>= 0.60	PASS
Q, Blue	1.12	>= 0.70	PASS
Tmean (280 - 315nm)	0.00%	<= 0.60% (0.05Tv)	PASS
Tmean (315 - 350nm)	0.00%	<= 6.00% (0.5Tv)	PASS
Tmin (450 - 650nm)	10.69%	>= 2.40% (0.2Tv)	PASS
Tsuva (315 - 400nm)	0.01%	<= 6.00% (0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%		
Tsuv (280 - 400nm)	0.01%		
Tsb (400 - 500nm)	11.72%		

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	0.000	290	0.000	300	0.000	310	0.000	320	0.001	330	0.001	340	0.006	350	0.007	360	0.004	370	0.004	380	0.012
390	0.032	400	0.118	410	2.472	420	7.595	430	10.199	440	11.419	450	12.589	460	14.099	470	14.681	480	14.430	490	14.008
500	13.752	510	13.432	520	12.926	530	12.322	540	11.669	550	11.169	560	10.971	570	10.775	580	10.707	590	11.026	600	11.557
610	11.868	620	12.117	630	12.954	640	14.781	650	17.582	660	18.470	670	16.232	680	17.302	690	20.690	700	24.143	710	26.889
720	29.128	730	31.163	740	33.063	750	35.112	760	37.553	770	40.885	780	44.593								

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Nota Farmamoda: Lente Polarizada Color Marrón

Sunglasses Certification Report

Sample Name: TAC B16

Standard: ANSI Z80.3:2015

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	11.91%	8% - 40%	PASS
Color Limit, Yellow(x,y)	(0.6004 , 0.3987)		PASS
Color Limit, Green(x,y)	(0.2357 , 0.4492)		PASS
Color Limit, D65(x,y)	(0.3866 , 0.3740)		PASS
Tsig, Red Signal	18.34%	>= 8%	PASS
Tsig, Yellow Signal	13.95%	>= 6%	PASS
Tsig, Green Signal	10.54%	>= 6%	PASS
Tmin (475 - 650nm)	8.49%	>= 2.38%(0.2Tv)	PASS
Tmean UVB (280 - 315nm)	0.00%	<= 1.49%(0.125Tv)	PASS
Tmean UVA (315 - 380nm)	0.00%	<= 11.91%(Tv)	PASS
Tsb (380 - 500nm)	6.58%		

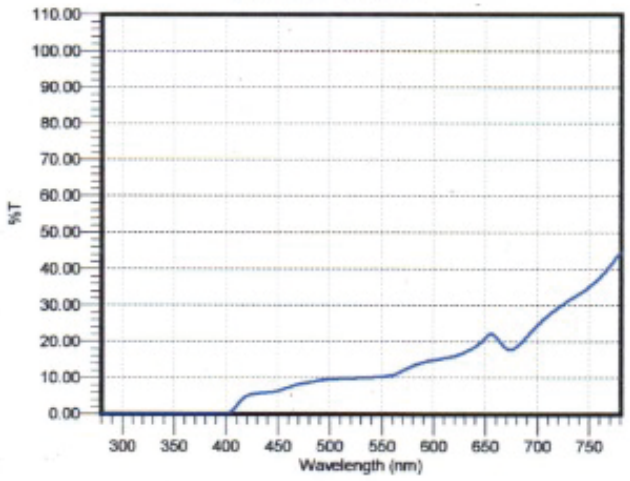
Standard: EN ISO 12312-1:2013 (A1:2015)

Item	Value	Requirement	Result
Filter Category	3		
Luminous Transmittance Tv	11.87%	8% - 18%	PASS
Incandescent Lights			
Q, Red	1.41	>= 0.80	PASS
Q, Yellow	1.14	>= 0.60	PASS
Q, Green	0.90	>= 0.60	PASS
Q, Blue	0.83	>= 0.60	PASS
LED Signal Lights			
Q, Red	1.47	>= 0.80	PASS
Q, Yellow	1.17	>= 0.60	PASS
Q, Green	0.82	>= 0.60	PASS
Q, Blue	0.69	>= 0.60	PASS
Tmin (475 - 650nm)	8.49%	>= 2.37%(0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 5.93%(0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%	<= 1.0%	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	6.58%		
Road Use and Driving			PASS
Driving In Twilight or At Night	11.87%	Tv >= 75%	NOT SUITABLE

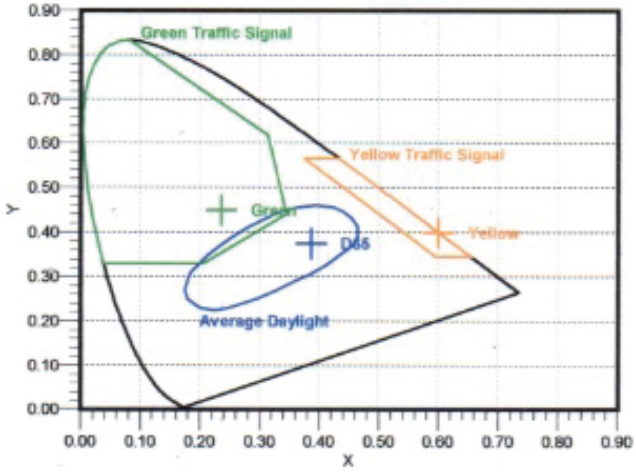
Standard: AS/NZS 1067:2003 (A1:2009)

Item	Value	Requirement	Result
Lens Category	3		
Luminous Transmittance Tv	11.87%	8% - 18%	PASS
Q, Red	1.40	>= 0.80	PASS
Q, Yellow	1.18	>= 0.80	PASS
Q, Green	0.88	>= 0.60	PASS
Q, Blue	0.91	>= 0.70	PASS
Tmean (280 - 315nm)	0.00%	<= 0.59%(0.05Tv)	PASS
Tmean (315 - 350nm)	0.00%	<= 5.93%(0.5Tv)	PASS
Tmin (450 - 650nm)	6.37%	>= 2.37%(0.2Tv)	PASS
Tsuva (315 - 400nm)	0.01%	<= 5.93%(0.5Tv)	PASS
Tsuvb (280 - 315nm)	0.00%		
Tsuv (280 - 400nm)	0.00%		
Tsb (400 - 500nm)	6.60%		

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	0.000	290	0.000	300	0.000	310	0.000	320	0.000	330	0.000	340	0.006	350	0.007	360	0.005	370	0.004	380	0.009
390	0.021	400	0.084	410	2.194	420	4.951	430	5.723	440	5.981	450	6.375	460	7.330	470	8.218	480	8.753	490	9.303
500	9.702	510	9.864	520	9.962	530	10.052	540	10.160	550	10.273	560	10.782	570	12.007	580	13.381	590	14.370	600	14.977
610	15.444	620	16.084	630	17.118	640	18.715	650	21.152	660	21.417	670	18.271	680	18.703	690	21.568	700	24.650	710	27.295
720	29.515	730	31.434	740	33.194	750	35.211	760	37.688	770	40.899	780	44.415								

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