

Sunglasses Certification Report

Sample Name: PC-C91

Standard: ANSI Z80.3:2015

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	90.08%	>= 40%	PASS
Color Limit, Yellow(x,y)	(0.5768 , 0.4220)		PASS
Color Limit, Green(x,y)	(0.2088 , 0.4108)		PASS
Color Limit, D65(x,y)	(0.3202 , 0.3448)		PASS
Tsig, Red Signal	91.03%	>= 8%	PASS
Tsig, Yellow Signal	90.29%	>= 6%	PASS
Tsig, Green Signal	90.06%	>= 6%	PASS
Tmin (475 - 650nm)	88.75%	>= 18.02% (0.2Tv)	PASS
Tmax UVB (280 - 315nm)	0.00%	<= 11.26% (0.125Tv)	PASS
Tmax UVA (315 - 380nm)	0.09%	<= 90.08% (Tv)	PASS
Tsb (380 - 500nm)	72.64%		

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

Item	Value	Requirement	Result
Filter Category	0		
Luminous Transmittance Tv	90.09%	>= 80%	PASS
Incandescent Lights			
Q, Red	1.00	>= 0.80	PASS
Q, Yellow	1.00	>= 0.60	PASS
Q, Green	0.99	>= 0.60	PASS
Q, Blue	0.99	>= 0.60	PASS
LED Signal Lights			
Q, Red	1.00	>= 0.80	PASS
Q, Yellow	0.99	>= 0.60	PASS
Q, Green	1.00	>= 0.60	PASS
Q, Blue	0.99	>= 0.60	PASS
Tmin (475 - 650nm)	88.75%	>= 18.02% (0.2Tv)	PASS
Tsuva (315 - 380nm)	0.00%	<= 90.09% (Tv)	PASS
Tsuvb (280 - 315nm)	0.00%	<= 4.50% (0.05Tv)	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	72.64%		
Road Use and Driving			PASS
Driving In Twilight or At Night	90.09%	Tv >= 75%	PASS

Standard: AS/NZS 1067.1:2016

Item	Value	Requirement	Result
Lens Category	0		
Luminous Transmittance Tv	90.09%	80% - 100%	PASS
Incandescent Lights			
Q, Red	1.00	>= 0.80	PASS
Q, Yellow	1.00	>= 0.60	PASS
Q, Green	0.99	>= 0.60	PASS
Q, Blue	0.99	>= 0.70	PASS
Tmin (475 - 650nm)	88.75%	>= 18.02% (0.2Tv)	PASS
Tsuva (315 - 400nm)	0.01%	<= 90.09% (Tv)	PASS
Tsuvb (280 - 315nm)	0.00%	<= 4.50% (0.05Tv)	PASS
Tsuv (280 - 380nm)	0.00%		
Tsb (380 - 500nm)	72.64%		
Road Use and Driving			PASS

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

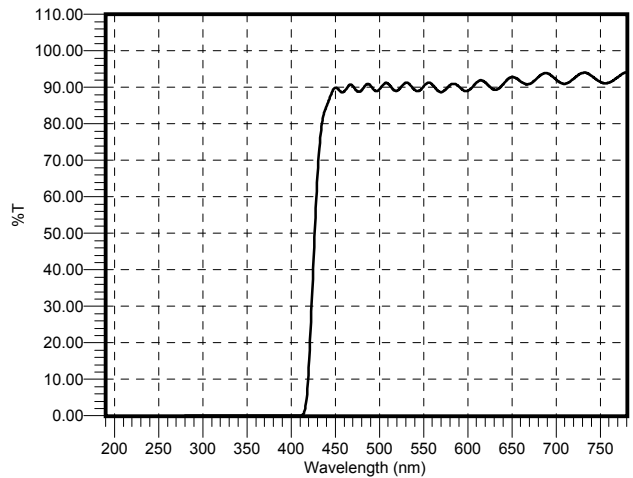
L* = 96.0 a* = 4.50 b* = 12.35

Spectrum Data:

nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T
190	****	200	****	210	****	220	****	230	****	240	****	250	****	260	****	270	****	280	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	0.092	390	0.078
410	0.088	420	13.194	430	66.061	440	84.819	450	89.965	460	88.922	470	90.376	480	89.286	490	90.476	500	89.484
520	89.117	530	91.297	540	89.298	550	90.285	560	90.772	570	88.751	580	90.666	590	90.254	600	89.104	610	91.372
630	89.413	640	90.859	650	92.856	660	91.638	670	90.983	680	92.863	690	93.868	700	92.191	710	91.018	720	92.411
740	93.218	750	91.544	760	91.315	770	92.871	780	94.183	790		800		810		820		830	93.985

(1). ANSI Z80.3:2015	PASS	Lens Primary Function	Cosmetic Lens
(2). EN ISO 12312-1:2013 (A1:2015)	PASS	Filter Category	0
(3). AS/NZS 1067.1:2016	PASS	Lens Category	0
(4). UV380	PASS		
UV400	PASS		

Transmittance Spectrum



Color Limit Regions of Acceptance

