Lens Test Report

measured by sigm tm-3
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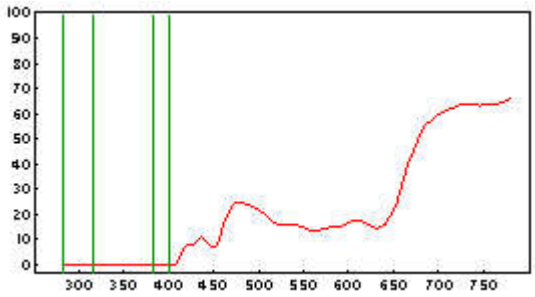
Sample : J6198-OX
Inspector :
Company : Ningbo Ningshing Industrial co., ltd
Telephone: **Fax:** **Email:**
Address : No.3 Xinye Road, Chenzhuang Village, Panqiao Street, Ouhai District, Wenzhou 325000, China

Standard: BS EN ISO 12312-1:2013+A1:2015

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	16.56%		
Filter Category	3		
Max Tsuvb (280nm-315nm)	0.00%	<%(1.0)	PASS
Max Tsuva (315nm-380nm)	0.00%	<8.28%(0.5Tv)	PASS
Tmin (475nm-650nm)	13.63%	>=3.31%(0.2Tv)	PASS
Tsuva (315nm-380nm)	0.00%		
Tsuvb (280nm-315nm)	0.00%		
Tsuv (280nm-380nm)	0.00%		
Tsb (380nm-500nm)	13.52%		
Red [Q] (INCT)	1.17	>=0.8	PASS
Green [Q] (INCT)	0.98	>=0.6	PASS
Yellow [Q] (INCT)	1.00	>=0.6	PASS
Blue [Q] (INCT)	1.19	>=0.6	PASS

Transmittance Spectrum

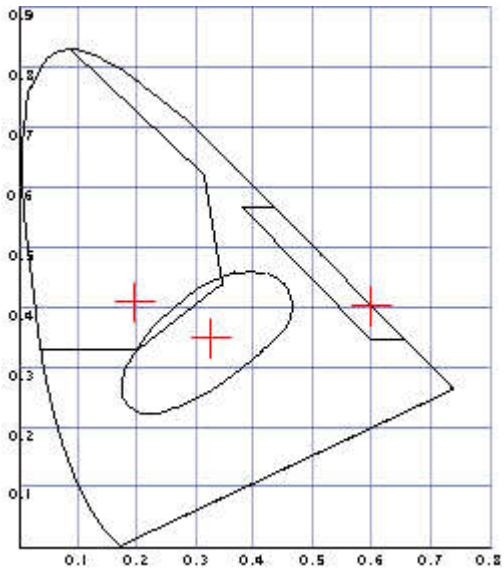


Standard: ANSI Z80.3-2010(290nm-780nm)

Normal Use

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	16.59%		
Filter Category	(General Purpose lens or shield,medium to dark)		
RED	19.15%	>=8%	PASS
YELLOW	16.60%	>=6%	PASS
GREEN	16.60%	>=6%	PASS
UVB (290nm-315nm)	0.00%	<=2.07%(0.125Tv)	PASS
UVA (315nm-380nm)	0.01%	<=16.59%(Tv)	PASS
Tmin (475nm-650nm)	13.63%	>=3.32%(0.2Tv)	PASS
YELLOW	X:0.596 Y:0.403		PASS
GREEN	X:0.193 Y:0.409		PASS
DAY LIGHT	X:0.323 Y:0.349		PASS

Color Limit Regions of Acceptance



Standard: AS/NZS 1067,2009(280nm-780nm)

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	16.56%		
Filter Category	3		
Tmax UVB (280nm-315nm)	0.00%	<0.83%(0.05Tv)	PASS
Tmax UVA (315nm-350nm)	0.00%	<8.28%(0.5Tv)	PASS
Tmin (450nm-650nm)	7.06%	>=3.31%(0.2Tv)	PASS
Tsuva (315nm-400nm)	0.01%	<8.28%(0.5Tv)	PASS
Tsuvb (280nm-315nm)	0.00%		
Tsuv (280nm-400nm)	0.00%		
Tsb (400nm-500nm)	13.56%		
Red [Q] Factor	1.16	>=0.8	PASS
Green [Q] Factor	1.00	>=0.6	PASS
Yellow [Q] Factor	1.00	>=0.8	PASS
Blue [Q] Factor	1.23	>=0.7	PASS

Spectrum Data:

WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%
780	66.68	770	64.84	760	63.95	750	64.05	740	63.80
730	64.22	720	63.57	710	62.22	700	60.25	690	57.62
680	53.39	670	45.96	660	34.92	650	23.40	640	16.34
630	14.90	620	16.27	610	17.86	600	17.08	590	15.36
580	15.07	570	14.64	560	13.63	550	14.30	540	16.12
530	16.54	520	16.58	510	18.77	500	21.58	490	23.53
480	24.78	470	24.29	460	15.84	450	7.06	440	9.99
430	9.89	420	8.10	410	2.91	400	0.03	390	0.01
380	0.03	370	0.04	360	0.00	350	0.00	340	0.00
330	0.00	320	0.00	310	0.00	300	0.00	290	0.00
280	0.00								