Lens Test Report

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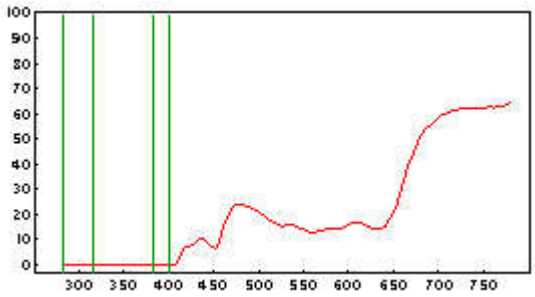
Sample : J6198-TS
Inspector :
Company : Ningbo Ningshing Industrial co., ltd
Telephone: **Fax:** **Email:**
Address : No.3 Xinye Road, Chenzhuang Village, Panqiao Street, Ouhai District, Wenzhou 325000, China

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

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	15.92%		
Filter Category	3		
Max Tsuvb (280nm-315nm)	0.00%	<%(1.0)	PASS
Max Tsuva (315nm-380nm)	0.00%	<7.96%(0.5Tv)	PASS
Tmin (475nm-650nm)	13.04%	>=3.18%(0.2Tv)	PASS
Tsuva (315nm-380nm)	0.00%		
Tsuvb (280nm-315nm)	0.00%		
Tsuv (280nm-380nm)	0.00%		
Tsb (380nm-500nm)	12.94%		
Red [Q] (INCT)	1.18	>=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

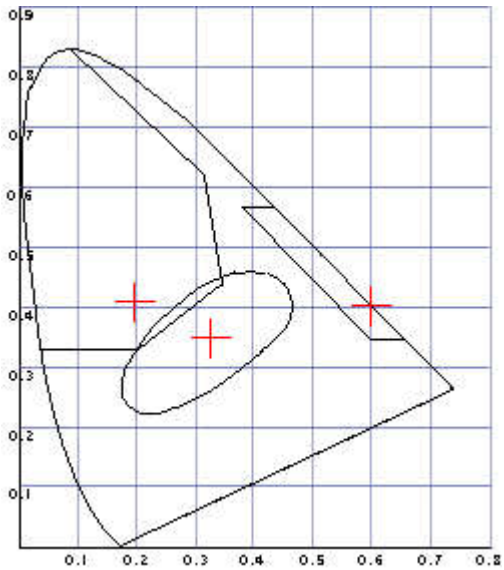


Standard: ANSI Z80.3-2010(290nm-780nm)

Normal Use

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	15.94%		
Filter Category	(General Purpose lens or shield,medium to dark)		
RED	18.46%	>=8%	PASS
YELLOW	15.98%	>=6%	PASS
GREEN	15.94%	>=6%	PASS
UVB (290nm-315nm)	0.00%	<=1.99%(0.125Tv)	PASS
UVA (315nm-380nm)	0.01%	<=15.94%(Tv)	PASS
Tmin (475nm-650nm)	13.04%	>=3.19%(0.2Tv)	PASS
YELLOW	X:0.597 Y:0.402		PASS
GREEN	X:0.194 Y:0.410		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)	15.92%		
Filter Category	3		
Tmax UVB (280nm-315nm)	0.00%	<0.80%(0.05Tv)	PASS
Tmax UVA (315nm-350nm)	0.00%	<7.96%(0.5Tv)	PASS
Tmin (450nm-650nm)	6.67%	>=3.18%(0.2Tv)	PASS
Tsuva (315nm-400nm)	0.01%	<7.96%(0.5Tv)	PASS
Tsuvb (280nm-315nm)	0.00%		
Tsuv (280nm-400nm)	0.00%		
Tsb (400nm-500nm)	12.98%		
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	65.31	770	63.66	760	62.87	750	62.92	740	62.50
730	62.65	720	62.06	710	61.02	700	59.27	690	56.51
680	51.99	670	44.65	660	33.98	650	22.73	640	15.70
630	14.23	620	15.60	610	17.22	600	16.42	590	14.75
580	14.51	570	14.11	560	13.06	550	13.68	540	15.53
530	15.88	520	15.86	510	18.06	500	20.70	490	22.61
480	23.85	470	23.25	460	15.18	450	6.67	440	9.55
430	9.42	420	7.75	410	2.82	400	0.03	390	0.01
380	0.02	370	0.05	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								