


<b>OPTICAL GLASS LENS</b>		<b>H2F Standard glass lenses</b>		<b>CUSTOMER</b>		<b>BARBERINI SPA</b>	
<b>Yellow Vintage - H2F B.23 / AR 99 cc</b>				<b>TECHNICAL DATA SHEET N.</b>		<b>HN212</b>	
				<b>GLASS CODE:</b>		<b>56HI06c0</b>	
				<b>DATE:</b>		<b>15/11/2016</b>	
Base:	<b>6</b>	Coating:	<b>H2F B.23 / AR 99 cc</b>				
Thickness:	<b>1.9 mm</b>	Polarization Ratio:	<b>0,00%</b>	<b>(min 4:1)</b>			
Hardening:	<b>Chemically</b>	Degree of Polarization:	<b>0,00</b>	Photochromic Ratio:		<b>0,00%</b>	
Optical Centre:	<b>Centre</b>	Reflection factor:	<b>PASS 1,47%</b>	<b>(max 2.5%)</b>		Photochromic Interval:	
						<b>0,00</b>	

**This sunglare filter is conform to the following International Norm:**

**European Norm: ISO 12312-1 2013**

		Filter Category:	<b>1</b>	<b>Light tint</b>			
							
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>72,69%</b>					
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>31,71%</b>					
<b>TSIR</b>	(mean 780 ÷ 2000 nm)	<b>89,60%</b>	(max TV)	<b>NO IR PROTECTION</b>			
<b>TSUV</b>	(mean 280 ÷ 380 nm)	<b>0,00%</b>					
<b>TSUVA</b>	(mean 315 ÷ 380 nm)	<b>0,00%</b>	(max Tv)	72,69%	<b>PASS</b>		
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,00%</b>	(max 0,05 TV)	3,63%	<b>PASS</b>		
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>54,20%</b>	(min 0,2 Tv)	14,53%	<b>PASS</b>		
	<b>Qgreen</b>	<b>0,98</b>	(min. = 0,60)		<b>PASS</b>		
	<b>Qyellow</b>	<b>1,05</b>	(min. = 0,60)		<b>PASS</b>		
	<b>Qred</b>	<b>1,12</b>	(min. = 0,80)		<b>PASS</b>		
	<b>Qblue</b>	<b>0,87</b>	(min. = 0,60)		<b>PASS</b>		

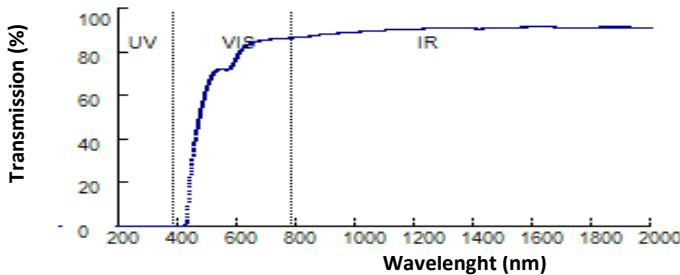
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

**American Norm: ANSI Z80.3-2010**

				<b>Primary function and shade cosmetic</b>			
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>72,64%</b>	(40<=Tv<100)	<b>PASS</b>	<b>Light</b>		
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>31,71%</b>					
<b>TSUVB</b>	(mean 280 ÷ 315 nm)			<b>Color limits:</b>			
	normal use	<b>0,00%</b>	(<=1/8Tv)	9,08%	<b>PASS</b>	Chromaticity (D65)	<b>PASS</b>
	high and prolonged exposure	<b>0,00%</b>	(max 1%)	0,72%	<b>PASS</b>	Yellow traffic signals	<b>x=0,5836 y=0,4151</b> <b>PASS</b>
<b>TSUVA</b>	(mean 315 ÷ 380 nm)					Green traffic signals	<b>x=0,2263 y=0,4821</b> <b>PASS</b>
	normal use	<b>0,00%</b>	(max Tv)	72,64%	<b>PASS</b>	<b>Traffic signal transmittance:</b>	
	high and prolonged exposure	<b>0,00%</b>	(max 0.5 TV)	36,32%	<b>PASS</b>	Red signal	<b>83,77%</b> (>= 8%) <b>PASS</b>
<b>TSIR</b>	(mean 780 ÷ 1400 nm)	<b>89,19%</b>	Not Calculated			Yellow signal	<b>76,77%</b> (>= 6%) <b>PASS</b>
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>54,21%</b>	(min 0,2 TV)	14,53%	<b>PASS</b>	Green signal	<b>70,63%</b> (>= 6%) <b>PASS</b>

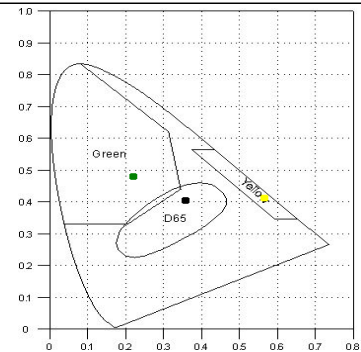
**Australian Norm: AS/NZS 1067:2009**

<b>TV</b>	(mean 380 ÷ 780 nm)	<b>72,69%</b>					
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>31,71%</b>					
<b>TSIR</b>	(mean 780 ÷ 2000 nm)	<b>89,60%</b>				<b>Filter Category: 1</b>	
<b>TSUV</b>	(mean 280 ÷ 400 nm)	<b>0,00%</b>				<b>Limited sunglare reduction</b>	
<b>TSUVA</b>	(mean 315 ÷ 400 nm)	<b>0,00%</b>	(max Tv)	72,69%	<b>PASS</b>	<b>Qgreen</b>	<b>0,97</b> (min. = 0,60) <b>PASS</b>
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,00%</b>	(max Tv)	3,63%	<b>PASS</b>	<b>Qyellow</b>	<b>1,05</b> (min. = 0,80) <b>PASS</b>
<b>TSUVB1</b>	(peak max 315 ÷ 350 nm)	<b>0,00%</b>	(max Tv)	72,69%	<b>PASS</b>	<b>Qred</b>	<b>1,12</b> (min. = 0,80) <b>PASS</b>
<b>TVIS</b>	(peak min 450 ÷ 650 nm)	<b>36,22%</b>	(min 0,2 Tv)	14,53%	<b>PASS</b>	<b>Qblue</b>	<b>0,93</b> (min. = 0,70) <b>PASS</b>



**D65 :** **x=0,3677**  
**y=0,4074**

**C :** **x=0,3676**  
**y=0,3981**



**Spectral Data:**

UV				VIS								IR			
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	61,95	590	76,53	690	85,85	800	87,09	1300	91,35
210	0,00	310	0,00	400	0,00	500	65,98	600	79,04	700	85,99	850	87,64	1400	91,16
220	0,00	320	0,00	410	0,00	510	69,05	610	80,96	710	86,15	900	88,55	1500	91,64
230	0,00	330	0,00	420	0,07	520	71,07	620	82,39	720	86,26	950	89,03	1600	91,78
240	0,00	340	0,00	430	9,43	530	72,23	630	83,37	730	86,36	1000	89,55	1700	91,70
250	0,00	350	0,00	440	25,67	540	72,67	640	84,09	740	86,49	1050	90,02	1800	91,72
260	0,00	360	0,00	450	36,23	550	72,45	650	84,67	750	86,58	1100	90,39	1900	91,79
270	0,00	370	0,00	460	44,25	560	71,95	660	85,07	760	86,62	1150	90,69	2000	91,45
280	0,00	380	0,00	470	51,13	570	72,33	670	85,40	770	86,78	1200	90,93		
290	0,00			480	57,05	580	73,82	680	85,67	780	86,87				

Data subject to change without notice

*De Luca Alfonso*  
Responsible Alfonso De Luca