


<b>OPTICAL GLASS LENS</b>		<b>H2F Standard glass lenses</b>		<b>493</b>	<b>CUSTOMER</b>	<b>BARBERINI SPA</b>
<b>Brown V H2F VH - AR 99 cc</b>					<b>TECHNICAL DATA SHEET N.</b>	<b>HN81</b>
					<b>GLASS CODE:</b>	<b>E90106C2</b>
					<b>DATE:</b>	<b>15/05/2015</b>
Base:	<b>6</b>	Coating:	<b>AR 99 cc</b>		Photochromic Ratio:	<b>0,00%</b>
Thickness:	<b>1.9 mm</b>	Polarization Ratio:	<b>0,00%</b>	(min 8:1)	Photochromic Interval:	<b>0,00</b>
Hardening:	<b>Chemically</b>	Degree of Polarization:	<b>0,00</b>			
Optical Centre:	<b>Centre</b>	Reflection factor:	<b>PASS 1,47%</b>	(max 2.5%)		

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

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

	Filter Category:	<b>2</b>	<b>Medium tint</b>	
				
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>21,10%</b>		
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>8,15%</b>		
<b>TSIR</b>	(mean 780 ÷ 2000 nm)	<b>71,05%</b>	(max 10,55%)	<b>NO IR PROTECTION</b>
<b>TSUV</b>	(mean 280 ÷ 380 nm)	<b>0,10%</b>		
<b>TSUVA</b>	(mean 315 ÷ 380 nm)	<b>0,16%</b>	(max 0,5 TV)	<b>PASS</b>
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,00%</b>	(max 0,05 TV)	<b>PASS</b>
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>10,64%</b>	(min 0,2 Tv)	<b>PASS</b>
	<b>Qgreen</b>	<b>0,80</b>	(min. = 0,60)	<b>PASS</b>
	<b>Qyellow</b>	<b>1,27</b>	(min. = 0,60)	<b>PASS</b>
	<b>Qred</b>	<b>1,91</b>	(min. = 0,80)	<b>PASS</b>
	<b>Qblue</b>	<b>0,74</b>	(min. = 0,60)	<b>PASS</b>

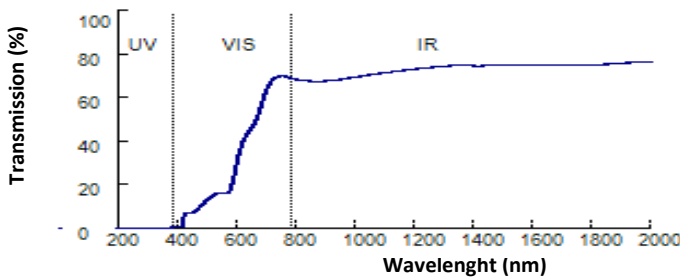
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

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

				Primary function and shade general purpose
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>21,18%</b> (8<=Tv<40)		<b>PASS</b> Medium to dark
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>8,15%</b>		
<b>TSUVB</b>	(mean 280 ÷ 315 nm)			<i>Color limits:</i>
	normal use	<b>0,00%</b> (<=1/8Tv)	2,64%	<b>PASS</b> Chromaticity (D65)
	high and prolonged exposure	<b>0,00%</b> (max 1%)	0,21%	<b>PASS</b> Yellow traffic signals <b>x=0,6229 y=0,3763</b> <b>PASS</b>
<b>TSUVA</b>	(mean 315 ÷ 380 nm)			<b>PASS</b> Green traffic signals <b>x=0,2572 y=0,4750</b> <b>PASS</b>
	normal use	<b>0,22%</b> (max Tv)	21,18%	<b>PASS</b> <i>Traffic signal transmittance:</i>
	high and prolonged exposure	<b>0,22%</b> (max 0.5 TV)	10,59%	<b>PASS</b> Red signal <b>45,50%</b> (>= 8%) <b>PASS</b>
<b>TSIR</b>	(mean 780 ÷ 1400 nm)	<b>70,25%</b>	No requirement	<b>PASS</b> Yellow signal <b>27,79%</b> (>= 6%) <b>PASS</b>
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>10,65%</b>	(min 0,2 TV)	<b>PASS</b> Green signal <b>16,72%</b> (>= 6%) <b>PASS</b>

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

<b>TV</b>	(mean 380 ÷ 780 nm)	<b>21,10%</b>			
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>8,15%</b>			
<b>TSIR</b>	(mean 780 ÷ 2000 nm)	<b>71,05%</b>		Filter Category: <b>2</b>	
<b>TSUV</b>	(mean 280 ÷ 400 nm)	<b>0,15%</b>			Medium sunglare reduction
<b>TSUVA</b>	(mean 315 ÷ 400 nm)	<b>0,23%</b> (max Tv)	21,1%	<b>PASS</b>	Not Suitable for driving at night
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,00%</b> (max Tv)	1,05%	<b>PASS</b>	<b>Qgreen</b> <b>0,78</b> (min. = 0,60) <b>PASS</b>
<b>TSUVB1</b>	(peak max 315 ÷ 350 nm)	<b>0,18%</b> (max 0,5 Tv)	10,55%	<b>PASS</b>	<b>Qyellow</b> <b>1,33</b> (min. = 0,80) <b>PASS</b>
<b>TVIS</b>	(peak min 450 ÷ 650 nm)	<b>7,80%</b> (min 0,2 TV)	4,22%	<b>PASS</b>	<b>Qred</b> <b>1,89</b> (min. = 0,80) <b>PASS</b>
					<b>Qblue</b> <b>0,88</b> (min. = 0,70) <b>PASS</b>

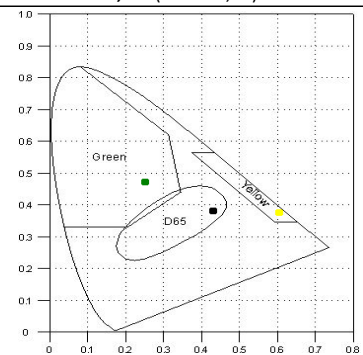


Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,65	490	12,69	590	26,89	690	61,75	800	68,60
210	0,00	310	0,00	400	1,16	500	13,91	600	33,04	700	65,08	850	67,81
220	0,00	320	0,00	410	1,22	510	14,92	610	37,72	710	67,46	900	67,96
230	0,00	330	0,00	420	6,71	520	15,70	620	41,07	720	68,90	950	68,67
240	0,00	340	0,05	430	7,00	530	16,23	630	43,40	730	69,66	1000	69,78
250	0,00	350	0,18	440	7,21	540	16,57	640	45,22	740	70,13	1050	70,84
260	0,00	360	0,36	450	7,80	550	16,61	650	47,25	750	70,22	1100	71,78
270	0,00	370	0,54	460	8,75	560	16,44	660	49,87	760	70,02	1150	72,64
280	0,00	380	0,64	470	9,97	570	17,13	670	53,34	770	69,64	1200	73,43
290	0,00			480	11,34	580	20,76	680	57,59	780	69,25		

Data subject to change without notice

D65 : **x=0,4443**  
**y=0,3830**  
C : **x=0,4434**  
**y=0,3749**



*De Luca Alfonso*  
Responsible Alfonso De Luca