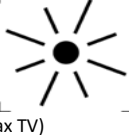
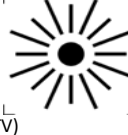


OPTICAL GLASS LENS		H2F Photochromic glass lenses		CUSTOMER		BARBERINI SPA	
H2F Fumo B 19+ACE - Deg.Grey Nero(centre)				TECHNICAL DATA SHEET N.		HF296	
				GLASS CODE:		170501ZNDN	
Base: 6		Coating: Deg.Grey Nero(centre)		DATE:		17/02/2016	
Thickness: 1.7 mm		Polarization Ratio: 0,00%		(min 8:1)			
Hardening: Chemically		Degree of Polarization: 0,00		Photochromic Ratio: PASS 1,80%		(min 1.25)	
Optical Centre: Centre		Reflection factor: PASS 1,47%		(max 2.5%)		Photochromic Interval: 0,44	

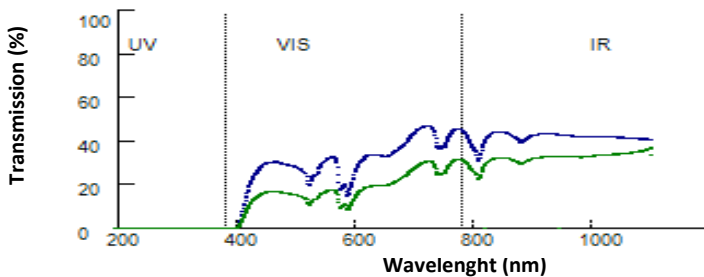
This sunglare filter is conform to the following International Norm:

		Light			Dark		
		Filter Category: 2	Medium tint		Filter Category: 3	Dark tint	
TV	(mean 380 ÷ 780 nm)	27,14%			15,00%		
TSB	(mean 380 ÷ 500 nm)	27,15%	(max TV)		15,04%	(max TV)	
TSIR	(mean 780 ÷ 2000 nm)						
TSUV	(mean 280 ÷ 380 nm)	0,01%			0,02%		
TSUVA	(mean 315 ÷ 380 nm)	0,01%	(max 0,5 TV)	13,57%	PASS 0,03%	(max 0,5 Tv)	7,5% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,01%	(max 0,05 TV)	1,35%	PASS 0,01%	(max 0,05 TV)	0,75% PASS
TVIS	(peak min 475 ÷ 650 nm)	15,27%	(min 0,2 Tv)	5,42%	PASS 8,53%	(min 0,2 Tv)	3,00% PASS
	Qgreen	0,98	(min. = 0,60)		PASS 0,97	(min. = 0,60)	PASS
	Qyellow	1,01	(min. = 0,60)		PASS 1,03	(min. = 0,60)	PASS
	Qred	1,15	(min. = 0,80)		PASS 1,21	(min. = 0,80)	PASS
	Qblue	1,03	(min. = 0,60)		PASS 1,02	(min. = 0,60)	PASS

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

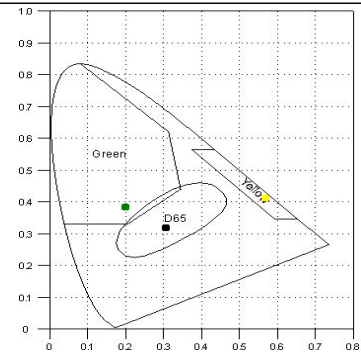
		American Norm: ANSI Z80.3-2010		Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	27,19%	(8<=Tv<40)	PASS	Medium to dark		
TSB	(mean 380 ÷ 500 nm)	27,15%					
TSUVB	(mean 280 ÷ 315 nm)				<i>Color limits:</i>		
	normal use	0,01%	(<=1/8Tv)	3,39%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,01%	(max 1%)	0,27%	PASS	Yellow traffic signals x=0,5858 y=0,4128	PASS
TSUVA	(mean 315 ÷ 380 nm)				PASS	Green traffic signals x=0,2048 y=0,3858	PASS
	normal use	0,01%	(max Tv)	27,19%	PASS	<i>Traffic signal transmittance:</i>	
	high and prolonged exposure	0,01%	(max 0.5 TV)	13,59%	PASS	Red signal 34,13% (>= 8%)	PASS
TSIR	(mean 780 ÷ 1400 nm)		Not Calculated			Yellow signal 27,78% (>= 6%)	PASS
TVIS	(peak min 475 ÷ 650 nm)	15,27%	(min 0,2 TV)	5,42%	PASS	Green signal 26,70% (>= 6%)	PASS

		Australian Norm: AS/NZS 1067:2009		Filter Category: 2			
TV	(mean 380 ÷ 780 nm)	27,14%		Medium sunglare reduction			
TSB	(mean 380 ÷ 500 nm)	27,15%		Not Suitable for driving at night			
TSIR	(mean 780 ÷ 2000 nm)		Not Calculated				
TSUV	(mean 280 ÷ 400 nm)	0,03%					
TSUVA	(mean 315 ÷ 400 nm)	0,04%	(max Tv)	27,14%	PASS	Qgreen 0,98 (min. = 0,60)	PASS
TSUVB	(mean 280 ÷ 315 nm)	0,01%	(max Tv)	1,35%	PASS	Qyellow 1,02 (min. = 0,80)	PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,03%	(max 0,5 Tv)	13,57%	PASS	Qred 1,15 (min. = 0,80)	PASS
TVIS	(peak min 450 ÷ 650 nm)	19,45%	(min 0,2 TV)	5,42%	PASS	Qblue 1,03 (min. = 0,70)	PASS



D65 : **x=0,3148**
y=0,3211

C : **x=0,3118**
y=0,3089



Spectral Data:

UV				VIS								IR			
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,01	300	0,01	390	0,08	490	28,85	590	19,46	690	41,66	800	36,28	1300	0,00
210	0,01	310	0,01	400	1,16	500	28,02	600	27,73	700	44,68	850	44,59	1400	0,00
220	0,01	320	0,01	410	10,46	510	26,20	610	31,30	710	46,42	900	42,97	1500	0,00
230	0,01	330	0,01	420	20,51	520	20,30	620	33,63	720	47,15	950	43,11	1600	0,00
240	0,01	340	0,01	430	25,17	530	24,55	630	33,80	730	45,72	1000	42,51	1700	0,00
250	0,01	350	0,03	440	28,98	540	29,44	640	33,80	740	36,57	1050	41,97	1800	0,00
260	0,01	360	0,01	450	30,32	550	31,83	650	33,19	750	38,16	1100	40,98	1900	0,00
270	0,01	370	0,01	460	30,69	560	32,86	660	34,31	760	43,99	1150	0,00	2000	0,00
280	0,01	380	0,03	470	30,39	570	21,50	670	36,28	770	45,93	1200	0,00		
290	0,01			480	29,80	580	20,67	680	38,57	780	45,26				

Data subject to change without notice

De Luca Alfonso
Responsible Alfonso De Luca