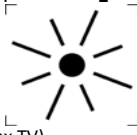
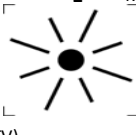


OPTICAL GLASS LENS		H2F Phtochromic glass lenses		CUSTOMER		BARBERINI SPA	
H2F Giallo B7+ACE - Deg.Grey Nero Plz(centre)				TECHNICAL DATA SHEET N.		HF301	
				GLASS CODE:		160406CZLDN	
Base:	6	Coating:	Deg.Grey Nero Plz(centre)	DATE:	17/02/2016		
Thickness:	1.7 mm	Polarization Ratio:	0,00%	(min 8:1)			
Hardening:	Chemically	Degree of Polarization:	0,00	Photochromic Ratio:	PASS	1,65%	(min 1.25)
Optical Centre:	Centre	Reflection factor:	PASS 1,47%	(max 2.5%) Photochromic Interval: 0,39			

This sunglare filter is conform to the following International Norm:

European Norm: ISO 12312-1 2013

		Light			Dark		
		Filter Category: 2	Medium tint		Filter Category: 2	Medium tint	
TV	(mean 380 ÷ 780 nm)	32,07%			19,38%		
TSB	(mean 380 ÷ 500 nm)	14,71%	(max TV)		8,68%	(max TV)	
TSIR	(mean 780 ÷ 2000 nm)						
TSUV	(mean 280 ÷ 380 nm)	0,00%			0,03%		
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	16,03%	PASS 0,04%	(max 0,5 Tv)	9,69% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,01%	(max 0,05 TV)	1,6%	PASS 0,01%	(max 0,05 TV)	0,96% PASS
TVIS	(peak min 475 ÷ 650 nm)	13,68%	(min 0,2 Tv)	6,41%	PASS 8,21%	(min 0,2 Tv)	3,87% PASS
	Qgreen	0,96	(min. = 0,60)		PASS 0,95	(min. = 0,60)	PASS
	Qyellow	1,11	(min. = 0,60)		PASS 1,13	(min. = 0,60)	PASS
	Qred	1,30	(min. = 0,80)		PASS 1,37	(min. = 0,80)	PASS
	Qblue	0,75	(min. = 0,60)		PASS 0,75	(min. = 0,60)	PASS

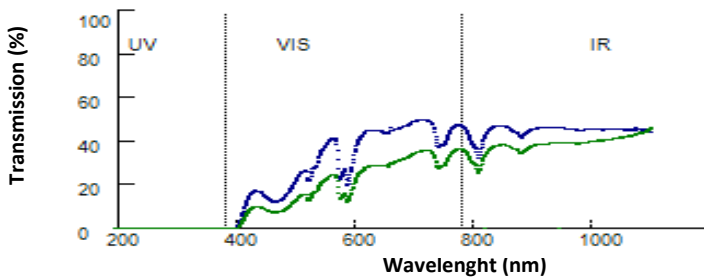
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	32,10%	(8<=Tv<40)	PASS Medium to dark			
TSB	(mean 380 ÷ 500 nm)	14,71%					
TSUVB	(mean 280 ÷ 315 nm)			<i>Color limits:</i>			
	normal use	0,01%	(<=1/8Tv)	4,01%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,01%	(max 1%)	0,32%	PASS	Yellow traffic signals x=0,5891 y=0,4096	PASS
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals x=0,2460 y=0,4984	PASS
	normal use	0,01%	(max Tv)	32,10%	PASS	<i>Traffic signal transmittance:</i>	
	high and prolonged exposure	0,01%	(max 0.5 TV)	16,05%	PASS	Red signal 44,93% (>= 8%)	PASS
TSIR	(mean 780 ÷ 1400 nm)		Not Calculated			Yellow signal 36,27% (>= 6%)	PASS
TVIS	(peak min 475 ÷ 650 nm)	13,68%	(min 0,2 TV)	6,41%	PASS	Green signal 29,80% (>= 6%)	PASS

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	32,07%					
TSB	(mean 380 ÷ 500 nm)	14,71%					
TSIR	(mean 780 ÷ 2000 nm)		Not Calculated			Filter Category: 2	
TSUV	(mean 280 ÷ 400 nm)	0,03%				Medium sunglare reduction	
TSUVA	(mean 315 ÷ 400 nm)	0,04%	(max Tv)	32,07%	PASS	Not Suitable for driving at night	
TSUVB	(mean 280 ÷ 315 nm)	0,01%	(max Tv)	1,6%	PASS	Qgreen 0,93 (min. = 0,60)	PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,01%	(max 0,5 Tv)	16,03%	PASS	Qyellow 1,12 (min. = 0,80)	PASS
TVIS	(peak min 450 ÷ 650 nm)	12,40%	(min 0,2 TV)	6,41%	PASS	Qred 1,30 (min. = 0,80)	PASS
						Qblue 0,84 (min. = 0,70)	PASS



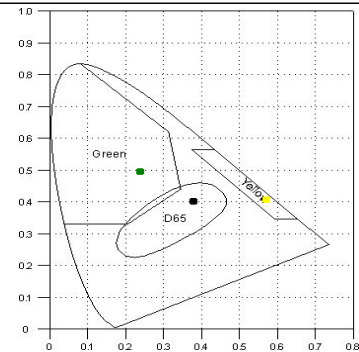
Spectral Data:

UV				VIS								IR			
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,01	300	0,01	390	0,02	490	18,72	590	26,11	690	48,23	800	37,66	1300	0,00
210	0,01	310	0,01	400	1,43	500	23,35	600	37,87	700	49,59	850	47,36	1400	0,00
220	0,01	320	0,01	410	9,14	510	26,10	610	42,47	710	49,93	900	45,81	1500	0,00
230	0,01	330	0,01	420	15,65	520	22,13	620	45,27	720	49,71	950	46,19	1600	0,00
240	0,01	340	0,01	430	17,06	530	28,33	630	44,84	730	47,59	1000	45,65	1700	0,00
250	0,01	350	0,01	440	16,51	540	35,17	640	44,91	740	37,40	1050	45,74	1800	0,00
260	0,01	360	0,01	450	13,90	550	39,06	650	43,70	750	39,11	1100	45,87	1900	0,00
270	0,01	370	0,01	460	12,41	560	41,59	660	44,87	760	45,49	1150	0,00	2000	0,00
280	0,01	380	0,01	470	12,89	570	27,65	670	46,04	770	47,72	1200	0,00		
290	0,01			480	15,06	580	27,30	680	46,95	780	47,15				

Data subject to change without notice

D65 : **x=0,3884**
y=0,4039

C : **x=0,3870**
y=0,3933



De Luca Alfonso
Responsible Alfonso De Luca