

INFORME TÉCNICO DE TRANSMITANCIA ESPECTRAL DEFENDER NEURO 1.50 DEFENDER NEURO 70% HMC YELLOW

Certification Report

Customer Ref Code : Sample Remark :
 Lens Type :
 Lens Ref Code :

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	79.22 %	> 40%	PASS
Color Limit, Yellow(x,y)	(0.5820 , 0.4169)		PASS
Color Limit, Green(x,y)	(0.2307 , 0.4864)		PASS
Color Limit, D65(x,y)	(0.3704 , 0.4084)		PASS
Tsig, Red Signal	89.93 %	>=8.00%	PASS
Tsig, Yellow Signal	84.56 %	>=6.00%	PASS
Tsig, Green Signal	76.44 %	>=6.00%	PASS
Tmin (475- 650nm)	56.55 %	>=15.84%(0.2Tv)	PASS
Tmax UVB (280- 315nm)	0.08 %	<=9.90%(0.125Tv)	PASS
Tmax UVA (315- 380nm)	0.00 %	<=79.22%(Tv)	PASS
Tsb (380- 500nm)	30.19 %		

Standard: EN ISO 12312-1:2013(A1:2015)

Item	Value	Requirement	Result
Filter Category	1		
Luminous Transmittance Tv	79.18 %	43% ~ 80%	PASS
Incandescent Lights			
Q, Red	1.11	>=0.80	PASS
Q, Yellow	1.06	>=0.60	PASS
Q, Green	0.98	>=0.60	PASS
Q, Blue	0.86	>=0.60	PASS
LED Signal Lights			
Q, Red	1.12	>=0.80	PASS
Q, Yellow	1.07	>=0.60	PASS
Q, Green	0.92	>=0.60	PASS
Q, Blue	0.67	>=0.60	PASS
Tmin (475- 650nm)	56.55 %	>=15.86%(0.2Tv)	PASS
Tsuva (315- 380nm)	0.07 %	<=79.31%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=3.97%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.04 %		
Tsb (380- 500nm)	30.19 %		
Road Use And Driving			PASS
Driving In Twilight or Night	79.31	Tv >= 75%	PASS

Standard:AS/NZS 1067.1:2016

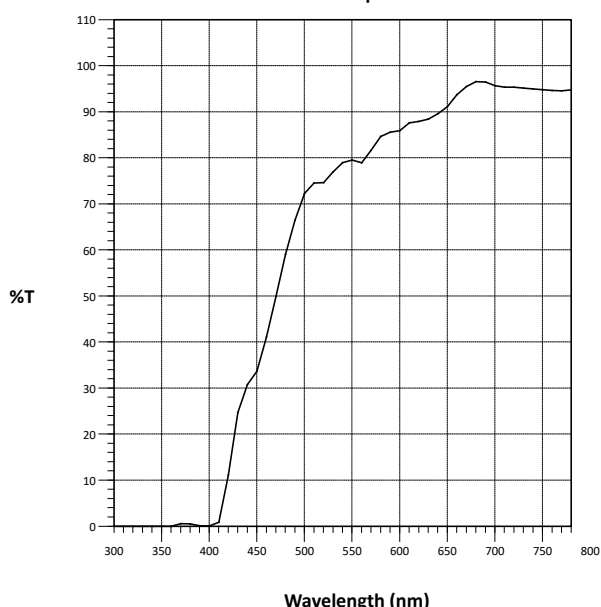
Item	Value	Requirement	Result
Lens Category	1		
Luminous Transmittance Tv	79.22 %	43% ~ 80%	PASS
Incandescent Lights			
Q, Red	1.11	>=0.80	PASS
Q, Yellow	1.06	>=0.60	PASS
Q, Green	0.98	>=0.60	PASS
Q, Blue	0.86	>=0.70	PASS
LED Signal Lights			
Q, Red	1.12	>=0.80	PASS
Q, Yellow	1.07	>=0.60	PASS
Q, Green	0.92	>=0.60	PASS
Q, Blue	0.67	>=0.70	FAILED
Tmin (475-650nm)	55.36 %	>=15.84%(0.2Tv)	PASS
Tsuva (315- 400nm)	0.08 %	<=79.22%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=3.96%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.04 %		
Tsb (380- 500nm)	30.19 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
 L*=90.603 a*=-5.585 b*=40.012

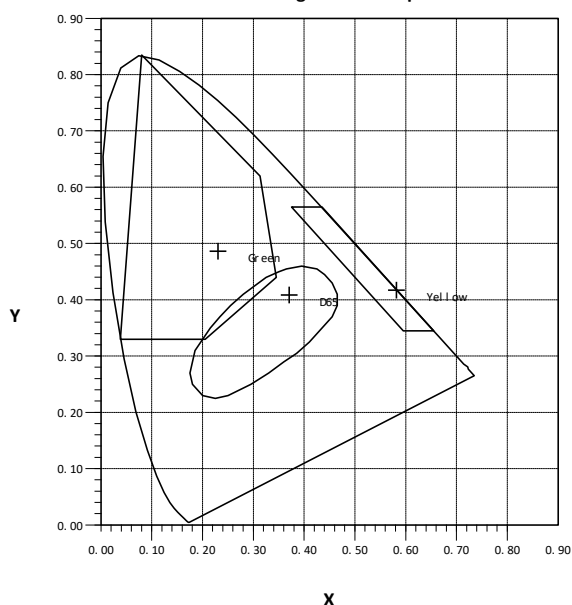
Spectrum Data:

nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T
280	0.00	290	0.00	300	0.00	310	0.00	320	0.00	330	0.00	340	0.00	350	0.00	360	0.00	370	0.57	380	0.53	390	0.12
410	0.88	420	11.11	430	24.72	440	30.76	450	33.67	460	41.08	470	49.91	480	59.03	490	66.49	500	72.29	510	74.54	520	74.63
540	78.97	550	79.53	560	78.94	570	81.69	580	84.65	590	85.58	600	85.91	610	87.60	620	87.92	630	88.42	640	89.59	650	91.12
670	95.49	680	96.56	690	96.47	700	95.67	710	95.36	720	95.35	730	95.15	740	94.98	750	94.81	760	94.64	770	94.57	780	94.76

Transmittance Spectrum



Color Limit Regions of Acceptance



(1). ANSI Z80.3:2018	PASS	Lens Primary Function	Cosmetic Lens
(2). EN ISO 12312-1:2013(A1:2015)	PASS	Filter Category	1
(3). AS/NZS 1067.1:2016	FAILED	Lens Category	1

