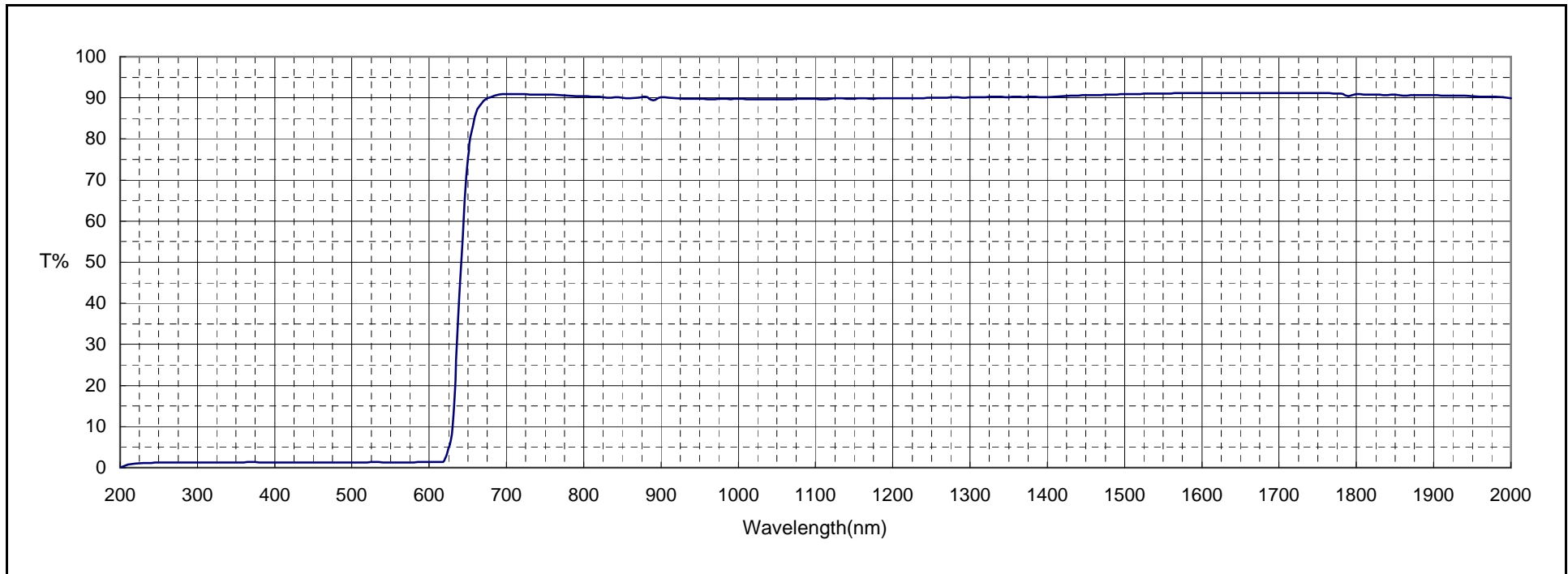


SPECTRUM DATA(NIR)

OPTIMA HB650

DATE : Sep.02. 1999

Wavelength(nm)	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500
Transmissivity(%)	1.005	1.189	1.292	1.308	1.290	1.283	1.298	1.324	1.291	1.294	1.302	1.279	1.315	1.305	1.298
Wavelength(nm)	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800
Transmissivity(%)	1.315	1.313	1.320	1.324	1.368	1.852	45.537	86.146	90.211	90.885	90.937	90.791	90.763	90.584	90.437
Wavelength(nm)	820	840	860	880	900	920	940	960	980	1000	1020	1040	1060	1080	1100
Transmissivity(%)	90.270	90.099	89.960	90.219	90.136	89.841	89.765	89.675	89.749	89.767	89.663	89.684	89.683	89.730	89.738
Wavelength(nm)	1130	1160	1190	1220	1250	1280	1310	1340	1370	1400	1430	1460	1490	1520	1550
Transmissivity(%)	89.854	89.839	89.888	89.927	90.006	90.105	90.167	90.249	90.151	90.155	90.469	90.705	90.815	90.922	91.042
Wavelength(nm)	1580	1610	1640	1670	1700	1730	1760	1790	1820	1850	1880	1910	1940	1970	2000
Transmissivity(%)	91.163	91.159	91.144	91.200	91.150	91.115	91.100	90.342	90.795	90.722	90.656	90.525	90.51	90.273	89.866



Color Glass Filter (OPTIMA INC. JAPAN)

- 1) Model : OPTIMA HB650
- 2) Melt No. 011247
- 3) Size : 50mm x 50mm x2mm t
- 4) Test No : 991007

Inspector : Technomart Inc. Eng. Div.

SEO, IL-SOO