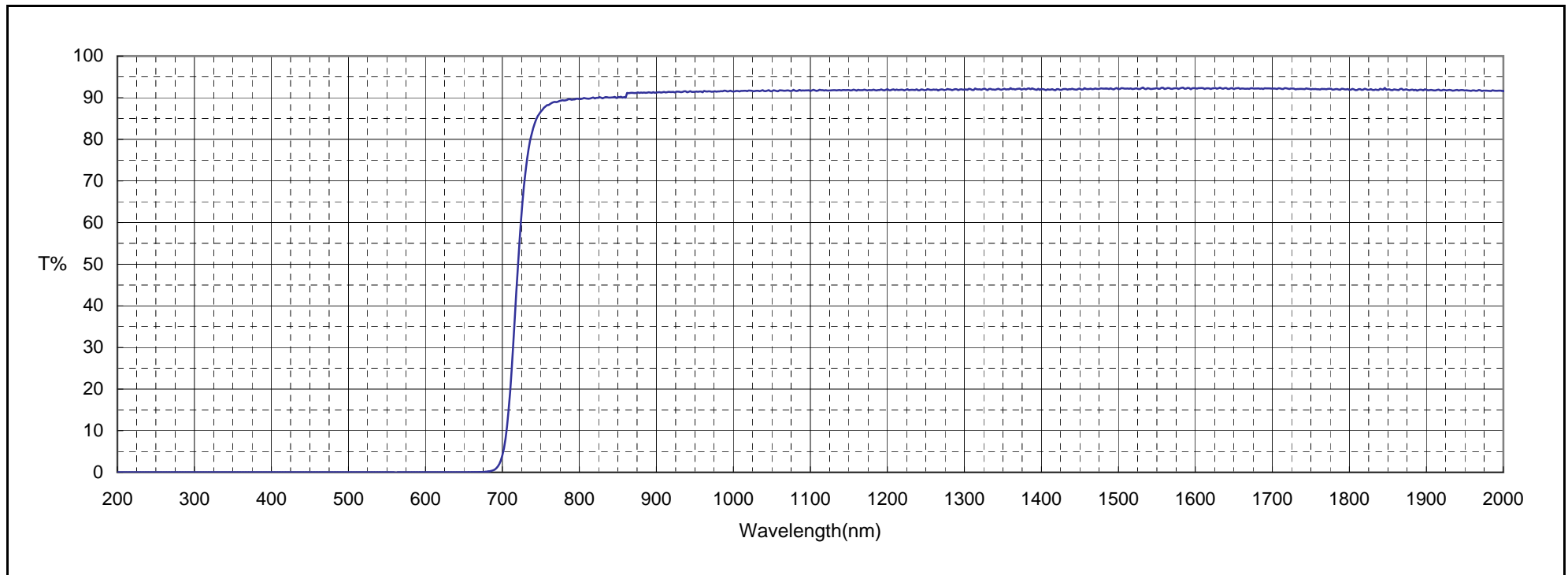


SPECTRUM DATA(NIR)

OPTIMA HB720

DATE : July 12, 2001

Wavelength(nm)	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500
Transmissivity(%)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wavelength(nm)	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800
Transmissivity(%)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0191	0.1559	4.0449	49.037	82.696	88.259	89.341	89.673
Wavelength(nm)	820	840	860	880	900	920	940	960	980	1000	1020	1040	1060	1080	1100
Transmissivity(%)	89.812	90.034	89.989	91.234	91.233	91.362	91.299	91.299	91.526	91.494	91.73	91.594	91.802	91.702	91.616
Wavelength(nm)	1130	1160	1190	1220	1250	1280	1310	1340	1370	1400	1430	1460	1490	1520	1550
Transmissivity(%)	91.81	91.706	91.863	91.904	91.831	92	91.867	91.925	92.159	92.084	92.106	92.058	92.268	92.126	92.339
Wavelength(nm)	1580	1610	1640	1670	1700	1730	1760	1790	1820	1850	1880	1910	1940	1970	2000
Transmissivity(%)	92.239	92.312	92.322	92.124	92.185	92.008	92.029	92.14	92.14	92.008	91.903	91.766	91.89	91.797	91.617



Color Glass Filter (OPTIMA INC. JAPAN)

- 1) Model : OPTIMA HB720
- 2) Melt No.:
- 3) Size : 50mm x 50mm x3mm t
- 4) Test No 10704

Inspector : Technomart Inc. Eng. Div.

SEO, IL-SOO