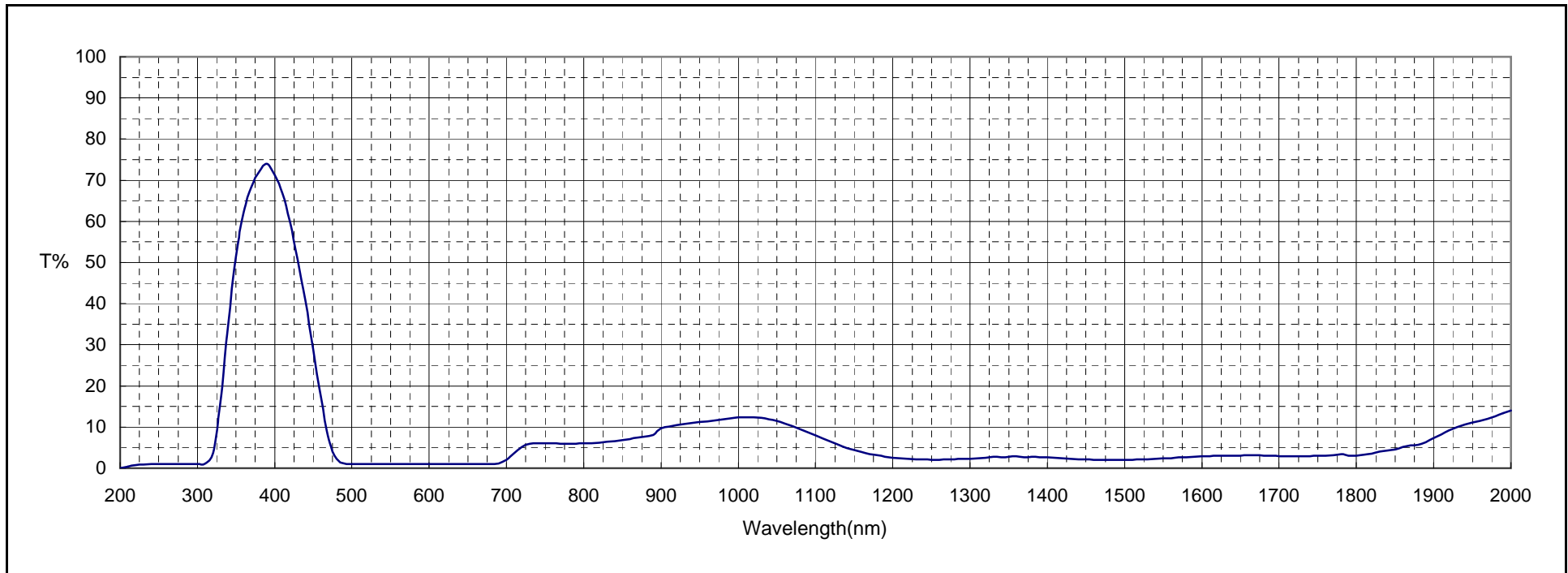


SPECTRUM DATA(NIR)

OPTIMA ZB1

DATE : Sep.02. 1999

Wavelength(nm)	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500
Transmissivity(%)	0.740	0.951	0.994	1.008	1.015	3.709	34.780	62.286	72.148	71.254	60.021	40.630	17.114	2.309	1.018
Wavelength(nm)	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800
Transmissivity(%)	1.018	1.010	1.030	1.014	1.006	1.011	1.009	1.016	1.021	1.981	5.177	6.108	6.039	5.956	6.023
Wavelength(nm)	820	840	860	880	900	920	940	960	980	1000	1020	1040	1060	1080	1100
Transmissivity(%)	6.228	6.582	7.077	7.651	9.741	10.452	11.042	11.385	11.925	12.343	12.334	11.866	10.824	9.510	7.956
Wavelength(nm)	1130	1160	1190	1220	1250	1280	1310	1340	1370	1400	1430	1460	1490	1520	1550
Transmissivity(%)	5.635	3.874	2.832	2.251	2.053	2.142	2.417	2.697	2.706	2.603	2.268	2.072	1.977	2.090	2.392
Wavelength(nm)	1580	1610	1640	1670	1700	1730	1760	1790	1820	1850	1880	1910	1940	1970	2000
Transmissivity(%)	2.704	2.958	3.093	3.115	2.938	2.930	3.081	3.091	3.542	4.580	5.655	8.2533	10.5767	12.056	14.028



Color Glass Filter (OPTIMA INC. JAPAN)

- 1) Model : OPTIMA ZB1
- 2) Melt No. 971053
- 3) Size : 50mm x 50mm x2mm t
- 4) Test No : 991007

Inspector : Technomart Inc. Eng. Div.

SEO, IL-SOO