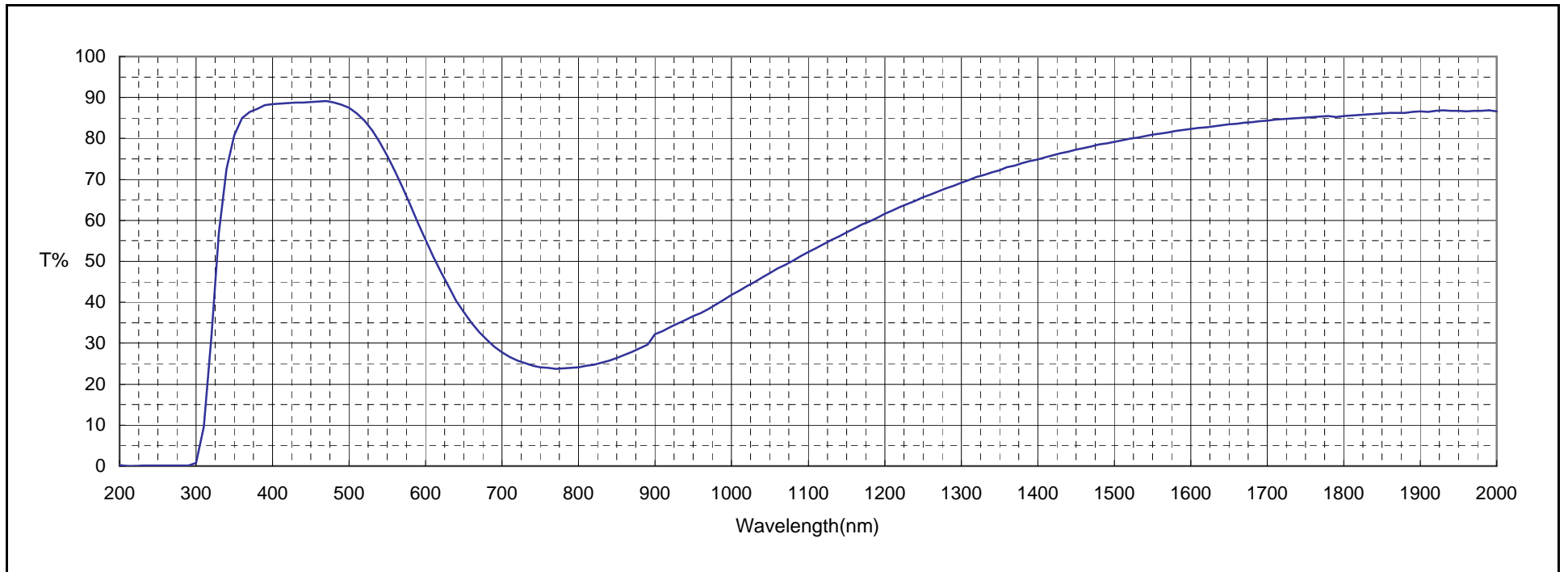


SPECTRUM DATA(NIR)

OPTIMA QB18

DATE : Sep.02. 1999

Wavelength(nm)	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500
Transmissivity(%)	0.060	0.141	0.138	0.153	0.791	32.059	72.550	84.916	87.290	88.372	88.651	88.774	89.010	88.769	87.437
Wavelength(nm)	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800
Transmissivity(%)	84.362	79.134	71.953	63.672	55.345	47.303	40.397	34.934	30.762	27.788	25.784	24.537	23.955	23.863	24.108
Wavelength(nm)	820	840	860	880	900	920	940	960	980	1000	1020	1040	1060	1080	1100
Transmissivity(%)	24.806	25.819	27.108	28.807	32.203	33.918	35.695	37.426	39.555	41.737	43.911	46.040	48.182	50.185	52.229
Wavelength(nm)	1130	1160	1190	1220	1250	1280	1310	1340	1370	1400	1430	1460	1490	1520	1550
Transmissivity(%)	55.206	57.966	60.658	63.198	65.611	67.821	69.815	71.682	73.317	74.905	76.355	77.673	78.846	79.932	80.932
Wavelength(nm)	1580	1610	1640	1670	1700	1730	1760	1790	1820	1850	1880	1910	1940	1970	2000
Transmissivity(%)	81.782	82.584	83.216	83.807	84.341	84.826	85.258	85.197	85.794	86.123	86.217	86.539	86.728	86.72	86.613



Color Glass Filter (OPTIMA INC. JAPAN)

- 1) Model : OPTIMA QB18
- 2) Melt No. 011101
- 3) Size : 50mm x 50mm x2mm t
- 4) Test No : 991007

Inspector : Technomart Inc. Eng. Div.

SEO, IL-SOO