All substrates fine optically polished. These filters by far supersede the mediocre quality of common "flame polished" color filters. Fine optical polish and 2 mm thickness allows these filters to be inserted anywhere into the optical path without introducing astigmatism or other defects. For instance, they can be used in front of a binocular viewer without degrading the image in any way.

Substrates are free of striae and planeparallel polished to within 30 seconds of arc. This eliminates any double images or ghosting due to wedge errors in the glass.

The set comprises three longpass and three genuine bandpass filters, which act similar to a nebula filter, so that only a small portion of the visual spectrum is transmitted to emphasize certain planetary surface detail.

The set consists of the following colors (Note the spectral trace for each color!)

- Dark blue (435 nm) # 2458302
- Bright blue (470 nm) # 2458303
- Green (500 nm) # 2458304
- Yellow (495 nm) # 2458301
- Orange (570 nm) # 2458306
- Red (610 nm) # 2458307

Transmission efficiencies for the three longpass-filters (Yellow, orange, and red) peaks at 98%, while the efficiency for the three bandpass-filters peaks at almost 70 percent—unheard of for a simple colored glass filter!

All filters have standard 1¼” eyepiece filter threads, tested and optimized to fit almost all eyepieces on the market. Each filter cell has a male as well as a female thread to allow stacking for narrower passbands or to combine with our UV/IR-Cut-filter. For example, the combination of the red RG 610 (# 2458307) and IR-Cut-filter (# 2459207) results in an extremely narrow H-α passband-filter—extremely inexpensive.

No reflections · No straylight · Maximum brightness

1¼” Premium Colored Glass-Filter-Set/6 pieces

Item.-No.: 245 8300

for purchasing individual Filters see Item.-Nos at left

For best cleaning results we recommend:

**OPTICAL WONDER**

Fineoptical Cleaning Fluid
100 ml · Item.-No.: 2905007
Super-Microfibre Cloth
10 x 10 inch · Item.-No.: 2905000