

## Annex 3

### **Description of the display product:**

The product is a backlighting unit component that includes a material containing a colour-converting II-VI semiconductor (including cadmium bound in a crystalline material), which is bound in an organic polymer host, which is further sealed within glass (e.g., a sealed glass tube) and which is positioned between and in optical communication with one or more LEDs and a light guide plate (see, e.g., attached design). The colour-converting II-VI semiconductor converts at least a portion of the light emitted by the LED into one or more predetermined colors to provide colour-converted light. This backlighting unit component is further intended to be included in a liquid crystal display (LCD) system.

Cross-Sectional Side View of Schematic of Backlighting Unit Component Including II-VI Colour Converting Material Sealed Within Glass:

- 1 – Aluminum base for LED
- 2 – LED
- 3 – Material including II-VI Colour Converting Material Sealed Within Glass
- 4 - Light Guide Plate
- 5 - Light-emitting surface