



1. Color differentiation of small plastic tubes

Small violet plastic tubes should be color differentiated. For this purpose a **SPECTRO-3-FIO-JR** in connection with a transmitted light optical fiber type **D-S-R2.1-(6x1)-1200-67°** and two optical frontends type **KL-8-R2.1** will be used. The distance of the frontends to the surface of the plastic tubes is approximately 11mm and the spot size at this distance is around 4mm x 0.7mm. At this, the long axis of the white light spot is in parallel with the symmetrical axis of the plastic tube. The plastic tubes can be proper differentiated as shown in the screen shots.

