



C3.3.1  
SPECTROMETRY

C3.3.1.4  
Spectra of a mixture of different-  
coloured substances

Spectra of a mixture of different-coloured substances (C3.3.1.4)

Cat. No.	Description	C3.3.1.4
467 252	Compact spectrometer, complete	1
604 5672	Double microspatula, steel, 150 mm	1
667 7977	Electronic Balance 440-3N, 200 g : 0.01 g	1
664 103	Beaker, DURAN, 250 ml, squat	1
665 754	Measuring cylinder 100 ml, with plastic base	1
309 42	Colouring, red, 10 g	1
673 2920	Methylene blue solution, 100 ml	1
665 793	Volumetric flask, Boro 3.3, 100 ml	5
675 3410	Water, pure, 5 l	1
661 243	Wash bottle PE 500 ml	1
664 474	Rectangular cuvette cell, polystyrene, 10 x 10 mm	1

To determine the concentration of a dye in a solution with other dyes, the solution must be separated and the concentrations of the individual dyes must be determined. A look at the spectra of the dye mixture and the individual dyes can show whether such a separation is necessary. This method is carried out in experiment C3.3.1.4.