

**ANALYTICAL ELEMENTS CONTAINING
NON-REACTIVE BLOCKING DYES**

Abstract

It is known to assay an analyte by measuring
5 the reflectance density in the range 320 to 360nm
using a reflectometer. The analyte is placed on an
analytical element which comprises a reagent layer and
a registration layer. However, in some cases the
reflectometer used to carry out the assay has a
10 maximum obtainable reflectance density of 1.5 and for
some assays the maximum reflectance density generated
may be 2.0 at 340nm. Described herein is a blocking
dye which has a low absorbtivity band from 320 to
360nm and a high absorbtivity band from 640 to 720nm
15 which can be incorporated into either the reagent
layer or the registration layer of the element to
improve the precision and dynamic range of the assay.

(FIGURE 2)