

INVESTIGATION OF CYANOSINE B AS GEL DOSIMETER FOR LOW DOSE APPLICATIONS

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ABSTRACT

The Investigation sensitivity of Cyanosine B (CB) – gelatin gel dosimetry system, upon the effect of γ - rays were depicted. Elaboration of (CB) –gelatin gel happens in impartial medium to shape a pink hydrogel, which has a sharp absorbance crest at 549 nm, which is degraded upon increasing absorbed doses. The valuable dose range was 1Gy–300 Gy. All dosimetric studies; dose response, radiation sensitivity, and dependences of the response to environmental factors were investigated.

KEYWORDS: Liquid”Cyanosine B” Dosimeter” γ Rays & Low Dose