

## **Low dose dosimeter (ANUDOSE) for food irradiation application**

Radiation processing of food with its unique advantages is one of the important approaches to mitigate the postharvest food losses. It is also increasingly gaining market access for agricultural and horticultural produce to meet sanitary and phytosanitary requirements of international trade. Accurate absorbed dose measurements are essential in all irradiation facilities to ensure the desired objectives. However, no cost-effective dosimeters in the dose range of 25 to 1000 Gy are available in India. BARC has developed dye-based reliable, user-friendly and cost-effective dosimeter in the low dose range (25 to 1000 Gy) to meet the commercial requirement for food irradiation dosimetry.