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**Product Name :**

Sealed Radioactive Source, Americium

**Product Code :**

SLE/PHY/49



## Description :

The active material is enclosed in metal foil fixed in a cylindrical mount provided with a stem of 4 mm diameter. The nature and strength of each source is clearly engraved on its mount and it is also color coded for identification. Each is supplied in a small lead castle' in a suitably labelled MDF storage box 100 x 75 x 65 mm high. The foil is further protected from accidental damage by a wire gauze cap over the open window' of the mount. A data sheet is enclosed with each.

$^{241}\text{Am}$  (185 kBq) of Americium 241 incorporated in a silver-palladium disc which transmits a substantial proportion of the alpha particles and a small amount of low energy gamma emission.

- **Emissions** :  $\alpha$  and  $\gamma$
- **Color code** : Brown
- **Half-life** : 458 years

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