

Gadolinium-153

Gadolinium-153 in the form of a pressed pellet is recessed into a stainless steel insert and double encapsulated in a welded titanium capsule. The diameter of the active pellet is 3mm.

Nominal activity		Capsule	Minimum photon output in Eu K X-rays	Code
GBq	Ci		photons/sec per steradian	
37	1	X.2093/2	1.0×10^9	GDC7530

Recommended working life: 5 years

Quality control

Wipe test A

Bubble test D

Immersion test L

Photon emission checked using a Si(Li) detector.

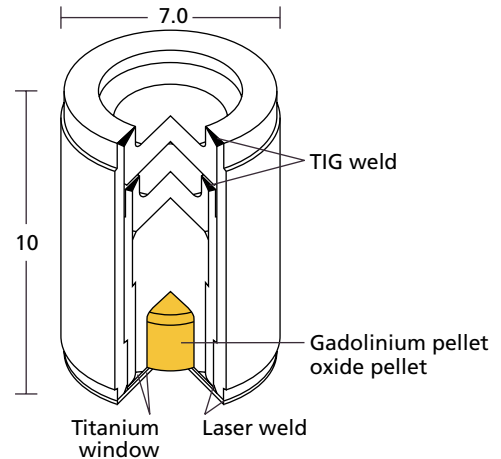
Total gamma-impurities checked using a NaI crystal.

Principal emissions

Eu-KX-rays: 41-48keV plus 97.4keV and 103.2keV g-rays.

AEA Technology offers a loading service for these sources.

X.2093/2



Safety performance testing

ANSI/ISO classification	Model no.
C64444	GDC.CY1