

Neptunium-237 Fission Monitors Product Information

Specifications

Radioisotope	Np-237
Half-Life/Daughter	2.144 x 10 ⁶ years to protactinium-233
Decay	Decay Radiation Information (NNDC)
Chemical Form	Ceramic oxide wire encapsulated in high purity vanadium capsules
Available Specific Activity	~25.9 MBq/g (~0.7 mCi/g)
Radionuclidic Purity	<40 ppm fissionable atoms
Radioisotopic Purity	>99%
Production Route	Chemical processing and source production
Processing	Extruded oxide wire encapsulated in high purity vanadium capsules
Primary Container	Glass bottle
Availability	Special order
Unit of Sale	Batch Price (50 Fission Monitors per batch)

Other Information

- Classed as a nuclear material requiring documentation of transfer (DOE/NRC Form 741)