

Uranium-238 Fission Monitors Product Information

Specifications

Radioisotope	U-238
Half-Life/Daughter	4.468 x 10 ⁹ years to thorium-234
Decay	Decay Radiation Information (NNDC)
Chemical Form	Ceramic oxide wire encapsulated in high purity vanadium
Available Specific Activity	~12.58 kBq/g (~0.34 μCi/g)
Radionuclidic Purity	<40 ppm fissionable atoms
Radioisotopic Purity	>99% U-238
Production Route	Chemical processing and source production
Processing	Extruded oxide wire encapsulated in high purity vanadium capsules
Primary Container	Glass bottle in nonreturnable containers
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)