

Plutonium-242 Product Information

Specifications

Radioisotope	Pu-242
Half-life/Daughter	3.75 x 10 ⁵ years to uranium-238
Decay	Decay Radiation Information (NNDC)
Chemical Form	Oxide powder; nitrate or chloride solid
Radionuclidic Purity	>99% by weight
Radioisotopic Purity	>99.9 wt% Pu-242, <0.1% other Pu isotopes
Production Route	Neutron capture
Processing	Electromagnetic separation
Primary Container	Glass screw cap bottle in nonreturnable container
Availability	Stock
Unit of Sale	Milligrams

Other Information

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