

Plutonium-241 Product Information

Specifications

Radioisotope	Pu-241
Half-life/Daughter	14.329 years to uranium-237
Decay	Decay Radiation Information (NNDC)
Chemical Form	Oxide powder; nitrate or chloride solid
Radionuclidic Purity	~71% by weight Pu, ~29% Am
Radioisotopic Purity	61 wt% Pu-241, 20 wt% Pu-240, 13 wt% Pu-242, 5 wt% Pu-239, >1 wt% Pu-238
Production Route	Sequential neutron captures in uranium-238/plutonium
Processing	Electromagnetic separation of plutonium
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)