

# Americium-241 Product Information

## Specifications

<b>Radioisotope</b>	<b>Am-241</b>
<b>Half-Life/Daughter</b>	432.6 years to neptunium-237
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Oxide powder
<b>Radioisotopic Purity</b>	>99% americium-241 of all americium by weight
<b>Production Route</b>	Decay of plutonium-241
<b>Processing</b>	Solvent extraction and/or ion exchange chromatography
<b>Primary Container</b>	Stainless steel screw top container
<b>Availability</b>	Routinely available
<b>Unit of Sale</b>	Grams
<b>Chemical Purity</b>	> 95% <sup>241</sup> AmO <sub>2</sub> by weight
<b>Pu Content:</b>	< 1% by weight

## Other Information

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