

# Uranium-234 Product Information

## Specifications

<b>Radioisotope</b>	<b>U-234</b>
<b>Half-life/Daughter</b>	2.455 x 10 <sup>5</sup> years to thorium-230
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Oxide powder
<b>Radionuclidic Purity</b>	>94% by weight
<b>Radioisotopic Purity</b>	94% U-234; ~5% by weight U-235, >1% by weight U-236, 238
<b>Production Route</b>	Decay of plutonium-238
<b>Processing</b>	Ion exchange from plutonium-238
<b>Primary Container</b>	Glass bottle in a nonreturnable or returnable container
<b>Availability</b>	Stock
<b>Unit of Sale</b>	Milligrams

## Other Information

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