

# Thorium-228 Product Information

## Specifications

<b>Radioisotope</b>	<b>Th-228</b>
<b>Half-life/Daughter</b>	1.9116 years to radium-224
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Nitrate solid
<b>Available Specific Activity</b>	31.1 TBq/g (8.4 x 10 <sup>2</sup> Ci/g), no carrier added
<b>Radionuclidic Purity</b>	>99%
<b>Radioisotopic Purity</b>	>99%
<b>Production Route</b>	Irradiation of radium-226
<b>Processing</b>	Ion exchange separation
<b>Primary Container</b>	Glass screw top bottle in nonreturnable container
<b>Availability</b>	Stock
<b>Unit of Sale</b>	Millicuries

## Other Information

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