Thorium-229 Product Information

Specifications

<table>
<thead>
<tr>
<th>Radioisotope</th>
<th>Th-229</th>
</tr>
</thead>
<tbody>
<tr>
<td>Half-Life/Daughter</td>
<td>7880 years to radium-225</td>
</tr>
<tr>
<td>Decay</td>
<td>Decay Radiation Information (NNDC)</td>
</tr>
<tr>
<td>Chemical Form</td>
<td>Nitrate in 0.1 N HNO₃</td>
</tr>
<tr>
<td>Radionuclidic Purity</td>
<td>&gt;99%</td>
</tr>
<tr>
<td>Production Route</td>
<td>Decay of mass-separated uranium-233</td>
</tr>
<tr>
<td>Processing</td>
<td>Dissolution and ion exchange chromatography</td>
</tr>
<tr>
<td>Primary Container</td>
<td>Glass or teflon bottle</td>
</tr>
<tr>
<td>Availability</td>
<td>Stock</td>
</tr>
<tr>
<td>Unit of Sale</td>
<td>Micrograms</td>
</tr>
</tbody>
</table>

Other Information

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