Uranyl Nitrate, Hexahydrate, Crystal, Reagent, ACS is a yellow green crystal and is water soluble as well as being soluble in acetone, ethanol and ether. It is mainly used as a negative stain for viruses in electron microscopy. It also stabilizes nucleic acids and cell membranes in tissue samples and is also vital for nuclear reprocessing. As an ACS grade reagent, Spectrum Chemical manufactured compound is used as the quality standard against which other substances are grade and has met the toughest regulatory standards for quality and pureness.

### Specifications

<table>
<thead>
<tr>
<th>Test</th>
<th>Specification</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSAY [(NO₃)₂UO₂·6H₂O]</td>
<td></td>
<td>98.0-102.0 %</td>
<td></td>
</tr>
<tr>
<td>INSOLUBLE MATTER</td>
<td></td>
<td></td>
<td>0.005 %</td>
</tr>
<tr>
<td>CHLORIDE (Cl)</td>
<td></td>
<td></td>
<td>0.002 %</td>
</tr>
<tr>
<td>SULFATE</td>
<td></td>
<td></td>
<td>0.005 %</td>
</tr>
<tr>
<td>ALKALIES AND ALKALINE EARTH (as SO₄)</td>
<td></td>
<td></td>
<td>0.1 %</td>
</tr>
<tr>
<td>HEAVY METALS (as Pb)</td>
<td></td>
<td></td>
<td>0.002 %</td>
</tr>
<tr>
<td>IRON (Fe)</td>
<td></td>
<td></td>
<td>0.002 %</td>
</tr>
<tr>
<td>SUBSTANCES REDUCING KMnO₄ (as UIV)</td>
<td></td>
<td></td>
<td>0.06 %</td>
</tr>
</tbody>
</table>
**Regulatory Documents**

The following documents may be required for purchase. For additional information, please contact Customer Service at 800-813-1514 or Compliance@SpectrumChemical.com

Radioactive Material Compliance Certification

- This product is a Radioactive Material. To purchase material, complete the Radioactive Material Compliance Certification form, QAF443.

**Certifications**

No special certifications currently available

**Shipping & Storage**

**Synonyms**

Uranium Nitrate

**Shipping Information**

When shipping via FedEx Air the item will ship priority overnight. A higher hazmat fee will apply. DOT: UN1477, Nitrates, inorganic, n.o.s. (uranyl nitrate hexahydrate), 5.1 (7), PG II, Limited quantity radioactive material.

- Largest individual container shippable via: UPS/FedEx Ground: 12 kg
- UPS Air: Not accepted
- FedEx Air: 50 kg

Additional UPS-imposed hazardous material charge plus $15.00 for poison pack. Tariff No. 2844102055

**Health**

- 2

**Fire Hazard**

- 0

**Reactivity**

- 0

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**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Video**

No video currently available