

# Product Information

## Specifications

### Gadolinium-148

**Half-Life/Daughter**

71.1 years to samarium-144

**Decay**

[Decay Radiation Information \(NNDC\)](#)

**Chemical Form**

Gadolinium (III) in 0.1 N HCl

**Activity Concentration**

>37 kBq/mL (>1  $\mu$ Ci/mL)

**Radionuclide Purity**

>95%

**Production Route**

Proton-induced spallation of tungsten or tantalum targets

**Processing**

Dissolution, extraction, and ion exchange

**Primary Container**

Glass bottle

**Availability**

Special order

**Unit of Sale**

Microcuries

## Other Information