

Gadolinium-148 Product Information

Specifications

Radioisotope	Gd-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 µCi/mL)
Radionuclidic 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