

Cerium-134 Product Information

Specifications

Radioisotope	Ce-134
Half-Life/Daughter	3.16 days to lanthanum-134
Decay	Decay Radiation Information (NNDC)
Chemical Form	Ce (III) in 0.1M HCl
Available Specific Activity	> 4000 Ci/g
Activity Concentration	> 5 mCi/ mL
Radioisotopic Purity	> 99.8% (excluding Ce-135, Ce-137m, Ce-139 and La daughters), Ce-135 < 1%, Ce-137m < 5%, Ce-139 < 3%
Production Route	Proton irradiation of La target
Processing	Dissolution and ion exchange
Primary Container	Glass crimp- top V-vial
Availability	Monthly
Unit of Sale	Millicuries

Other Information