

Barium-133 Product Information

Specifications

Radioisotope	Ba-133
Half-Life/Daughter	10.551 years to cesium-133
Decay	Decay Radiation Information (NNDC)
Chemical Form	Barium nitrate in dilute HNO ₃
Available Specific Activity	>629 GBq/g (>17 Ci/g)
Activity Concentration	>2.22 GBq/mL (>60 mCi/mL)
Radionuclidic Purity	>99.9%
Production Route	Neutron capture on enriched barium-132 at High Flux Isotope Reactor
Processing	Dissolution, inorganic processing, and ion exchange
Primary Container	Screw cap bottle
Availability	Special order
Unit of Sale	Millicuries