

Polonium-209 Product Information

Specifications

Radioisotope	Po-209
Half-life/Daughter	124 years to lead-205
Decay	Decay Radiation Information (NNDC)
Chemical Form	5 M nitric acid solution
Activity Concentration	~185 kBq (~5 µCi/mL)
Radionuclidic Purity	>99%
Radioisotopic Purity	>99% Po-209 (less than detection limits for Po-208, 210)
Production Route	Neutron capture on bismuth-209
Processing	Dissolved in nitric acid
Primary Container	Glass bottle
Availability	Stock
Unit of Sale	Microcuries