

Mercury Isotopes in UM-Almaden Mono-Elemental Secondary Standard

Art. ID	NIST-8610
Unit	4 x 5 mL
Deliverydetails	ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1760 II E2

Description

This Reference Material (RM) is intended for use in developing and validating methods for measuring relative differences in mercury (Hg) isotope-number ratios, R(XXXHg/198Hg). A unit of NIST-RM-8610 consists of four ampoules each containing approximately 5 mL of solution comprised of approximately 3% mass fraction nitric acid and 2% mass fraction hydrochloric acid, equivalent to amount-of-substance concentration (molarity) values of approximately 0.5 mol/L nitric acid and 0.5 mol/L hydrochloric acid. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Reference Value	delta199Hg		-0,17 ± 0,01	per mille		
Reference Value	delta200Hg		-0,27 ± 0,01	per mille		
Reference Value	delta201Hg		-0,46 ± 0,02	per mille		
Reference Value	delta202Hg		-0,56 ± 0,03	per mille		
Reference Value	delta204Hg		-0,82 ± 0,07	per mille		