

Enriched methylmercury isotopic certified reference material

Art. ID	NRC-EMMS-1
Unit	1,5 mL
Deliverydetails	No Dangerous Good /not restricted

Description

NRC-EMMS-1 is intended for the calibration of instruments and evaluation of analysis methods for the determination of methylmercury. Certified values for isotope amount ratios, isotope abundances and atomic weight of mercury have been established for this 198Hg-enriched methylmercury isotopic reference material.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Isotope mass number, 19 6	Isotope amount ratio, n (196Hg)/n (200Hg)		0,06(4)			
Isotope mass number, 19 8	Isotope amount ratio, n (198Hg)/n (200Hg)		32,1(1,4)			
Isotope mass number, 19 9	Isotope amount ratio, n (199Hg)/n (200Hg)		0,03(1)			
Isotope mass number, 20 1	Isotope amount ratio, n (200Hg)/n (200Hg)		1 (exact)			
Isotope mass number, 20 1	Isotope amount ratio, n (201Hg)/n (200Hg)		0,07(1)			
Isotope mass number, 20 2	Isotope amount ratio, n (202Hg)/n (200Hg)		0,02(2)			
Isotope mass number, 20 4	Isotope amount ratio, n (204Hg)/n (200Hg)		0,004(3)			
Isotope mass number, 19 6	Isotopic abundance, N (196Hg)/n (Hg)		0,0019(11)			
Isotope mass number, 19 8	Isotopic abundance, N (198Hg)/n (Hg)		0,9645(31)			
Isotope mass number, 19 9	Isotopic abundance, N (199Hg)/n (Hg)		0,0008(4)			
Isotope mass number, 20 1	Isotopic abundance, N (200Hg)/n (Hg)		0,0300(12)			
Isotope mass number, 20 1	Isotopic abundance, N (201Hg)/n (Hg)		0,0020(3)			
Isotope mass number, 20 2	Isotopic abundance, N (202Hg)/n (Hg)		0,0007(5)			
Isotope mass number, 20 4	Isotopic abundance, N (204Hg)/n (Hg)		0,0001(1)			

Atomic weight, Ar(Hg)

198,033(4)