

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)