

Certificate of Analysis

Standard Reference Material 978

Isotopic Standard for Silver

Absolute Abundance Ratio, Ag-107/Ag-109	1.07597	± 0.00135
Silver-107, atom percent	51.830	± 0.052
Silver-109, atom percent	48.170	± 0.052

The preparation furnished is a commercial sample of silver nitrate, lot 90138. Measurements are by triple filament mass spectrometry, using mixtures of known composition prepared from high-purity separated isotopes as comparison standards. Overall limits of error are based on 95 percent confidence limits for the mean and on allowances for the known sources of possible systematic error. Details of the preparation and measurements are published by W. R. Shields, E. L. Garner, and V. H. Dibeler, *J Research NBS* **66A**, (Phys. & Chem.) No. 1, 1-3, (1962).

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