

# National Bureau of Standards Certificate

## Standard Reference Material 49e

Lead

### Secondary Freezing Point Standard

(International Practical Temperature Scale – 1968)

327.493 °C

The freezing point given above is that of representative samples from lot 49e. It is a secondary standard and is not necessarily the same as the freezing point of pure lead. It is estimated that the uncertainty in the NBS certified value of the freezing point does not exceed  $\pm 0.005$  degree. (The estimated uncertainty includes the imprecision and possible systematic errors of the measurements.)

Full details of the precautions that should be observed in freezing point determinations are given in National Bureau of Standards Circular 590. The International Practical Temperature Scale of 1968 is described in *Metrologia* 5, No. 2, 35-44 (April 1969). This is a revision of the certificate dated October 4, 1965, and consists primarily of the conversion of IPTS (1948) to IPTS (1968) by G. T. Furukawa.

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Office of Standard Reference Materials