

UNITED STATES DEPARTMENT OF COMMERCE  
WASHINGTON

**National Bureau of Standards**  
**Certificate**

Standard Sample 42e

**Tin**  
Pyrometric Standard

Melting Point or Freezing Point on the  
International Temperature Scale

**231.9<sub>i</sub>° C.**

The melting point given above is that of selected samples from lot 42e. The agreement among the samples tested indicates that the lot is homogeneous within a few thousandths of a degree in melting point. The above value is not necessarily the same as the melting point of pure tin.

Full details of the precautions that should be observed in freezing-point determinations are given in National Bureau of Standards Journal of Research **14**, 247, 1935 (RP768). The International Temperature Scale of 1948 is described in the Journal of Research of the National Bureau of Standards, **42**, 209, 1949 (RP1962).

A. V. ASTIN, *Director*.

WASHINGTON 25, D. C., March 20, 1953.