

DEPARTMENT OF COMMERCE

Bureau of Standards

Certificate

FOR

STANDARD TEMPERATURE SAMPLE

No. 43c

ZINC

FREEZING POINT OR MELTING POINT

ON THE INTERNATIONAL TEMPERATURE SCALE

419.4₈° C.

The metal will have the freezing or melting point certified only if it is protected from oxidation and contamination. Full details of the precautions that should be observed in standardizing instruments at the freezing points of pure metals are given in Bureau of Standards Circular No. 66 on Standard Samples for Thermometric Fixed Points. Further information is given in Bureau of Standards Technologic Paper No. 170 on Pyrometric Practice, and Bureau of Standards Research Paper No. 22 on the International Temperature Scale.

NOTE.—The International Temperature Scale was adopted in 1927 by the Seventh General Conference of Weights and Measures representing 31 nations. The Bureau of Standards, therefore, in common with the other national laboratories, will use, until further notice, in its scientific work and for the calibration of instruments, the standard temperatures, interpolation formulas, and methods of measurement as laid down by this conference. It is recommended that scientific workers elsewhere conform to the International Temperature Scale.

George K. Burgess

Director.

Washington, D. C.

May 22, 1930.