

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

PROVISIONAL CERTIFICATE

for

MICROCHEMICAL STANDARD 140

BENZOIC ACID

(For use in determinations of carbon and hydrogen.)

This benzoic acid was specially prepared at the National Bureau of Standards for use as a standard in microcombustions. Freezing point measurements and macro determinations of carbon and hydrogen indicate a mole percent purity of 99.98 percent. The theoretical percentages of carbon (68.84 percent) and hydrogen (4.95 percent) are therefore recommended for use in checking microcombustions.

Tests indicate that the material is non-hygroscopic under ordinary conditions and can be used without preliminary drying.

(Signed) LYMAN J. BRIGGS, Director.
G.E.F.L.

Washington, D.C.

May 13, 1942