

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
WASHINGTON 25, D. C.

PROVISIONAL CERTIFICATE OF ANALYSIS

for

MICROCHEMICAL STANDARD 141a
ACETANILIDE

This sample of acetanilide was refined by fractional freezing. Crystals obtained from the second freezing were crushed and sieved, and the portion between 40 and 100 mesh is furnished as the sample. The absolute purity of the material has not been established but microanalytical determinations of carbon, hydrogen, and nitrogen yielded values that check the theoretical composition within the limits of experimental error. Tests indicate that the material is not hygroscopic under ordinary condition of storage and can be used without preliminary drying.

It is recommended that the theoretical values be used for microchemical determinations: carbon, 71.09 percent; nitrogen, 10.36 percent; and hydrogen, 6.71 percent.

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