

Certificate of Analysis

STANDARD REFERENCE MATERIAL 140b

Benzoic Acid

This sample of benzoic acid was refined by fractional freezing to give a material of high purity. It conforms to the American Chemical Society specification for reagent-grade benzoic acid. Melting-point determinations on macrosamples indicate a purity of about 99.997 mole percent. Tests indicate the material is not hygroscopic under ordinary conditions of storage and can be used without preliminary drying.

It is recommended that the theoretical values be used: carbon, 68.85 percent, and hydrogen; 4.95 percent.

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