

Characterization of sludges — Determination of calorific value

ICS 13.030.20

National foreword

This British Standard is the UK implementation of EN 15170:2008.

BSI, as a member of CEN, is obliged to publish EN 15170 as a British standard. However, attention is drawn to the fact that during the development of this European Standard, the UK committee voted against its approval as a European Standard. Determination of calorific value has been standardized for many other materials, such as coal and oil. In the opinion of the UK committee, in this standard, it should only be necessary to refer to exceptional analytical problems that apply specifically to sludges.

This standard sets out how the two types of calorimeter (static jacket and adiabatic) are assembled, operated and calibrated and the method for correcting for heat loss in one type. In the opinion of the UK committee this is not necessary because such theory and practice are contained in the operating instructions for the equipment, almost without exception.

The UK committee believes that information on the different types of equipment that can be used, the standard for calibration (but not the precise method of application as this is equipment dependent) and the potential for errors can be found in such British Standards as BS 1016-105:1992 and BS 7420:1991, as well as in guides produced by the oil companies. Without exception, the reference material for calibration is benzoic acid, because it can be dried to a water content of 0.01%, is chemically stable and is not prone to bacterial attack. It has also been subject to assessment for at least 60 years.

The UK participation in its preparation was entrusted to Technical Committee EH/5, Sludge characterization.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

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