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Interested committees:

Title: Draft BS ISO 13610 Sludge recovery, recycling, treatment and disposal - Determination of calorific value of sludge.

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



DRAFT International Standard

ISO/DIS 13610

Sludge recovery, recycling, treatment and disposal — Determination of calorific value of sludge

*Valorisation, recyclage, traitement et élimination des boues —
Détermination du pouvoir calorifique des boues*

ICS: 13.030.20

ISO/TC 275

Secretariat: **AFNOR**

Voting begins on:
2024-07-17

Voting terminates on:
2024-10-09

This document is circulated as received from the committee secretariat.

FAST TRACK PROCEDURE

Reference number
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Foreword

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This document was prepared by Technical Committee ISO/TC 275, Sludge recovery, recycling, treatment and disposal.

Introduction

This document is based on EN 15170:2008, published by Technical Committee CEN/TC 308 “Characterization of sludge”, the secretariat of which is held by AFNOR.

This method is a simple way to evaluate the amenability of sludge and sludge products to be treated by thermal processes. In this document, some thermo-chemical corrections are not considered. For detailed descriptions of analytical procedures and theoretical background see ISO 1928.

The result obtained is the gross calorific value of the sample at constant volume with both the water of the combustion products and the moisture of the sludge as liquid water. The net calorific value can be derived from the gross calorific value. For this either the hydrogen content of the sludge or the amount of water found in the combustion test shall be determined.

Sludge usually contain much water and (un-burnable) solids. Therefore, their calorific value – especially on the “as received” basis – is quite low. For many purposes it may be enough to determine the gross calorific value only, and not the net calorific value for which additional determinations are necessary. The calculation of the net calorific value at constant volume only is described here, for calculation at constant pressure refer to ISO 1928.

