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DRAFT EAST AFRICAN STANDARD

Coal for industrial use — Specification

EAST AFRICAN COMMUNITY

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Foreword

Development of the East African Standards has been necessitated by the need for harmonizing requirements governing quality of products and services in the East African Community. It is envisaged that through harmonized standardization, trade barriers that are encountered when goods and services are exchanged within the Community will be removed.

The Community has established an East African Standards Committee (EASC) mandated to develop and issue East African Standards (EAS). The Committee is composed of representatives of the National Standards Bodies in Partner States, together with the representatives from the public and private sector organizations in the community.

East African Standards are developed through Technical Committees that are representative of key stakeholders including government, academia, consumer groups, private sector and other interested parties. Draft East African Standards are circulated to stakeholders through the National Standards Bodies in the Partner States. The comments received are discussed and incorporated before finalization of standards, in accordance with the principles and procedures for development of East African Standards.

East African Standards are subject to review, to keep pace with technological advances. Users of the East African Standards are therefore expected to ensure that they always have the latest versions of the standards they are implementing.

The committee responsible for this document is Technical Committee EASC/TC 029, *Mining, quarrying and mineral beneficiation*.

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Coal for industrial use — Specification

1 Scope

This Draft East African Standard specifies the requirements, sampling and test methods for coal for industrial uses.

This Draft East African Standard applies to coal used for power generation, metallurgy (steel making), cement production, gasification and liquefaction (fuel extraction) chemical production, and agricultural industries.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1213 – 2, Coal and coke — Vocabulary — Part 2: Terms relating to sampling, testing and analysis

ISO 18283, Coal and coke — Manual sampling

ISO 562, Hard coal and coke — Determination of volatile matter

ISO 589, Hard coal — Determination of total moisture

ISO 1171, Coal and coke — Determination of ash

ISO 1928, Coal and coke — Determination of gross calorific value

ISO 20336, Coal and coke — Determination of total sulfur by Coulomb titration method

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1213-2 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Requirements

Coal for industrial use shall conform to the requirements given in Table 1 when tested in accordance with the methods specified therein.

Table 1 — Requirements of coal for industrial use

S/No.	Characteristic	Requirement	Test method
i.	Total moisture content, %, by mass max.	10	ISO 589
ii.	Volatile matter (air dry basis), % by mass, max.	30	ISO 562
iii.	Ash content, % by mass, max.	35	ISO 1171
iv.	Sulphur, % by mass, max.	2	ISO 20336
v.	Calorific value (GCV), Kcal/kg, min.	3 500	ISO 1928

5 Sampling

5.1 Representative samples of coal shall be drawn in accordance with ISO 18283.

5.2 Representative samples of coal shall be drawn in accordance with relevant part(s) of ISO 13909.

6 Transportation and handling

Transportation and handling of coal shall be in accordance to code of practice for handling, storage and transportation of coal (DEAS 1317: 2026).

Bibliography

[1] IS 439:2020, *Industrial coke — Specification*

[2] TZS 2359:2019, *Coal for cement manufacture — Specification*

[3] TZS 3656:2022, *Coal for industrial use — Specification*

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