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**Aluminium dross for iron and steel
making — Sampling and sample
preparation procedures**

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Aluminium Association (JAA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS G 2403** : 2015), which has been technically revised.

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Aluminium dross for iron and steel making — Sampling and sample preparation procedures

1 Scope

This Japanese Industrial Standard specifies the procedures for sample preparation including the sampling and the sample reduction which are necessary for determining the components and the average values of properties of each lot of aluminium dross which is used as a flux in the manufacture of iron and steel.

WARNING Persons performing the procedures given in this Standard should take appropriate preventive measures as described in the following. However, the following do not purport to address all of the safety problems, if any, associated with the procedures of this Standard.

- When sampling is carried out in closed room or enclosed space, attention shall be paid to risks of oxygen deficiency and retention of ammonia gas, etc.
- Appropriate use of protective gears such as a safety helmet, safety shoes, a dust mask and safety goggles shall be ensured to prevent risks of personal injuries.
- As some samples, due to their composition and properties, may be prone to changing in properties, oxidation, heat generation, etc., sufficient safety measures shall be taken and tests swiftly carried out to prevent these phenomena and to avoid the associated risks. It is of special significance to wear a dust mask, safety goggles and other protective gears in sample pulverization operation when taking out sample from the pulverizing machine as this procedure may entail the risk of explosive reaction.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS G 2402 *Aluminium dross for iron and steel making*

JIS M 8100 *Particulate materials — General rules for methods of sampling*

JIS M 8101 *Methods for sampling, preparation and determination of moisture content of non-ferrous metal bearing ores*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those giv-