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**Methods for chemical analysis of  
aluminium dross for iron and steel  
making**

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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 2404 : 2015**), which has been technically revised.

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# Methods for chemical analysis of aluminium dross for iron and steel making

## 1 Scope

This Japanese Industrial Standard specifies the methods for determination of metallic aluminium, nitrogen, chlorine, fluorine, total silicon, aluminium oxide and carbon, and the moisture content in aluminium dross which is used as a flux in the manufacture of iron and steel.

**WARNING** Persons performing tests in accordance with this Standard should exercise adequate caution in handling high pressure gas in the ICP atomic emission spectrometry and the infrared absorption after combustion, as well as in the use and disposal of dangerous chemicals (e.g. bromine, hydrofluoric acid, organic solvent), and should make efforts to prevent hazards and protect the environment.

## 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 G 2403 *Aluminium dross for iron and steel making — Sampling and sample preparation procedures*

JIS H 4160 *Aluminium and aluminium alloy foils*

JIS H 6201 *Platinum crucibles for chemical analysis*

JIS K 0050 *General rules for chemical analysis*

JIS K 0101 *Testing methods for industrial water*

JIS K 0102 *Testing methods for industrial wastewater*

JIS K 0115 *General rules for molecular absorptiometric analysis*

JIS K 0116 *General rules for atomic emission spectrometry*

JIS K 0127 *General rules for ion chromatography*

JIS K 0211 *Technical terms for analytical chemistry (General part)*

JIS K 0215 *Technical terms for analytical chemistry (Analytical instrument part)*

JIS K 0970 *Piston pipettes*

JIS K 8005 *Reference materials for volumetric analysis*

JIS R 1306 *Porcelain combustion boats for chemical analysis*