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**Safety of primary batteries with aqueous
electrolyte**

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by Japanese Standards Association (JSA), an accredited standards development organization. This edition replaces the previous edition (**JIS C 8514** : 2018), which has been technically revised.

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Safety of primary batteries with aqueous electrolyte

Introduction

This Japanese Industrial Standard has been prepared based on IEC 60086-5 : 2021, Edition 5, with some modifications of the technical contents to meet the actual situations in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies tests and requirements for primary batteries with aqueous electrolyte to ensure their safe operation under intended use and reasonably foreseeable misuse.

NOTE 1 Herein, the primary batteries with aqueous electrolyte refer to five electrochemical systems shown in Table 1.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 60086-5 : 2021 *Primary batteries — Part 5: Safety of batteries with aqueous electrolyte* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to ISO/IEC Guide 21-1.

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 C 8500 *Primary batteries — General*

NOTE Normative reference in the corresponding International Standard: IEC 60086-1 : 2015 *Primary batteries — Part 1: General*

JIS C 8515 *Primary batteries — Physical and electrical specifications*

NOTE Normative reference in the corresponding International Standard: IEC 60086-2 : 2015 *Primary batteries — Part 2: Physical and electrical specifications*

3 Terms and definitions

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