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**Compressed air —
Contaminant measurement —
Part 4: Particle content**

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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 through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Fluid Power Association (JFPA)/ 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 B 8392-4** : 2003), which has been technically revised.

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Compressed air — Contaminant measurement — Part 4: Particle content

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 8573-4 : 2019**, Edition 2, with some modifications of the technical contents.

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 a method for sampling compressed air and appropriate measurement methods to determine its particle size and concentration by number.

This Standard will report the particle size and concentration of all types of particle combined and does not aim to be able to segregate the separate solid and liquid particle fractions. When it is required that the concentration of a specific fraction is to be determined, recourse to the relevant standard method from the **JIS B 8392** series is recommended.

NOTE 1 The test methods described in this Standard are those suitable for determining the purity classes given in **JIS B 8392-1**.

NOTE 2 Particle content determined as concentration by mass is dealt with in **JIS B 8392-8**.

NOTE 3 This Standard does not address instances where non-isothermal conditions exist, and separate arrangements should be made where particles may be formed by vapour condensation or lost through evaporation.

NOTE 4 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 8573-4 : 2019 *Compressed air — Contaminant measurement —
Part 4: Particle content* (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 B 8392-1 *Compressed air — Part 1: Contaminants and purity classes*