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(JEMIMA/JSA)

**Equipment for measuring specific  
activity of gamma-emitting radionu-  
clides in foodstuffs**

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

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Electric Measuring Instruments Manufacturers' Association (JEMIMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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# Equipment for measuring specific activity of gamma-emitting radionuclides in foodstuffs

## Introduction

This Japanese Industrial Standard has been prepared based on the first edition of IEC 61563 published in 2001, with some modifications of the technical contents for responding to the usage condition in Japan and the progress in technology subsequent to the publication of the said International Standard.

The portions with dotted underlines in this Standard are the matters in which the contents of the corresponding International Standards have been modified. A list of modifications with the explanations is given in Annex JA.

## 1 Scope

This Standard specifies the scintillation type radiation meters used for measuring the activity concentration of gamma-emitting radionuclides in food/foodstuffs (hereafter referred to as “radiation meters”) under field conditions where radioactive substances have spread due to the nuclear reactor accident, etc. It does not apply to the low background stationary radioactivity analysis equipment such as a germanium gamma-ray detector used in specialized agencies for analysis.

In addition, this Standard is applicable also to the measurement of environmental samples in general such as soil, sewage, plant and animal life.

NOTE 1 The pretreatment method of samples is not covered by this Standard.

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

IEC 61563 : 2001 *Radiation protection instrumentation — Equipment for measuring specific activity of gamma-emitting radionuclides in foodstuffs* (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

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards indicated below (including amendment) shall be applied.

JIS C 8500 Primary batteries — General

JIS C 61000-4-2 Electromagnetic compatibility (EMC) — Part 4-2 : Testing and