

ICS 27.120.99

CCS F51



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 13366-2009

Replacing GB/T 13366-1992

Caesium-137 gamma radiation source for industrial gauges

工业仪表用铯 137 γ 辐射源

Issued on: March 13, 2009

Implemented on: November 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard replaces GB/T 13366-1992 "industrial instruments with Cs-137 radiation."

This standard compared with GB/T 13366-1992 The main changes are as follows:

- Redefined the meaning of product code;
- Canceled single package cladding product specifications, product specifications sheet has been adjusted;
- Cancel the classification grade I, II products;
- Increased provisions work with source container. The Standard Appendix A, Appendix B and Appendix C are informative appendices. The standard proposed by China National Nuclear Corporation. This standard by the National Standardization Technical Committee of nuclear energy. This standard was drafted. China Institute of Atomic Energy. The main drafters of this standard. Wen Zhongming. This standard replaces the previous standard release case. GB/T 13366-1992. Industrial Instrumentation cesium radiation 137gamma

1 Scope

GB/T 13366-2009 is the Chinese national standard on caesium-137 gamma radiation source for industrial gauges, in the field of energy and heat transfer engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 13 March 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2009. Classification: ICS 27.120.99, CCS F51. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the use of industrial instrumentation ^{137}Cs gamma cesium radiation sources (hereinafter referred to as Cs-137 source) product code, product structure and specifications, technical Requirements, test methods, inspection rules, marking, inspection certificate and operating instructions Packaging, transport and storage and so on. This standard applies to material level of various materials, density, thickness measurement industrial measuring instruments ^{137}Cs gamma cesium radiation sources, also applies to logging, Research and teaching ^{137}Cs gamma cesium radiation.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 4075-2009 Sealed radioactive sources - General requirements and classification (ISO 2919.1999, MOD)

GB 11806-2004 Safe Transport of Radioactive Material Regulations (IAEANO.TS-R-1.IDT)

GB 15849-1995 sealed radioactive sources leak test methods (eqv

ISO 9978.1992) GB Z125-2002 health protection standards for gauges containing sealed source of

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Minimum leakage does not occur under normal conditions of use.

3.2 Cs-137 radioactive material carrier.

4 Product code

Product code is defined as CSG- xxx. CS Representative Product Name. Cesium source ^{137}Cs G- with representatives of industrial instrumentation behalf of the source envelope models xx Representative ^{137}Cs activity code Example. CSG102 indicates that the source is a cesium-137 source, the source envelope type 1, the correspondence table A. 1, activity code 02, the correspondence table B. 1 is 0.74GB q.

5 Product structure and specifications

5.1 Product Structure Composed of ^{137}Cs core and the source source source cladding two parts