ICS 71.040.50
CCS G04

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 15337-2008

Replacing GB/T 15337-1994

General rules for atomic absorption spectrometric analysis

原子吸收光谱分析法通则

Issued on: June 4, 2008 **Implemented on: December 1, 2008**

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Foreword

This standard replaces GB/T 15337-1994 "General atomic absorption spectrometry." This standard and GB/T 15337-1994 main differences are as follows:

--- Increasing the physical elimination of interference in the content of 7.2.5.2;

9.2.3 will be "should be placed in a rubber or synthetic resin sheet insulating material above" with "should not be placed in a rubber or synthetic resin Boards and other insulating material above ";

--- Remove the original standard in Appendix A. The Standard Appendix A, Appendix B is an informative annex. The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Standardization Technical Committee Chemistry (SAC/TC63) centralized. The standard by the China Petroleum and Chemical Corporation Beijing Yanshan Company, the Chemical Institute of Standardization responsible for drafting. The main drafters of this standard. Yuhong , Yang Jianhai, Xingsu Xia, Wei Jing. This standard was first published in 1994. Atomic absorption spectrometry General

1 Scope

GB/T 15337-2008 is the Chinese national standard on general rules for atomic absorption spectrometric analysis, in the field of chemical technology. 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 4 June 2008 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 December 2008. Classification: ICS 71.040.50, CCS G04. 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 general rules by atomic absorption spectrometry for quantitative analysis. This standard applies to the use of atomic absorption spectrometry for trace

amounts of chemical elements from the constant quantitative analysis.

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/T 4470 flame emission, atomic absorption and atomic fluorescence spectrometry term (GB/T 4470-1998, idt

ISO 6955. 1982) Laboratory use - Specification and test methods

GB/T 6682 Analysis JJG694-1990 atomic absorption spectrophotometer test procedures

3 Terms and Definitions

GB/T 4470 regulations and the following terms and definitions apply to this standard.

3.1 Flame will want to analyze the sample analyte into free atoms, by measuring the vapor phase, the ground state atoms of the element of the electrical characteristics Magnetic radiation absorption to determine the chemical elements method.

3.2 Non-flame method (such as electric, laser or chemical reactions, etc.), will want to analyze the sample analyte into free atoms, by measuring The vapor phase of the element to the ground state atomic absorption characteristics of electromagnetic radiation, to determine the chemical elements method.

3.3 Electrothermal (such as graphite furnace, etc.) will want to analyze the sample analyte into free atoms, by measuring the vapor phase in the ground state of the element The characteristic atomic absorption of electromagnetic radiation to determine the chemical elements method.

3.4 Reduced to form a hydride-based analyte by heating (electric or flame) into free atoms of the element by measuring the vapor phase Ground state atoms of the element for characteristic absorption of electromagnetic radiation, to determine the chemical elements method.

3.5 For the analysis of a sample of mercury ions, reduction of free atoms by measuring the vapor phase to the ground state atomic absorption characteristics of electromagnetic radiation, To determine mercury content approach.