ICS 73.080
CCS D53

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 14505-2010

Replacing GB/T 14505-1993

Method for chemical analysis of rocks and ores - General rules and regulations

岩石和矿石化学分析方法 总则及一般规定

Issued on: November 10, 2010 **Implemented on: February 1, 2011**

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Standardization Administration of China

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Foreword

This standard replaces GB/T 14505-1993 "Methods for chemical analysis of rocks and ores General rules and regulations." This standard compared with GB/T 14505-1993, the main changes are as follows:

--- Adds elements of rock and ore chemical standard analytical methods;

--- To increase the accuracy of the test requirements of developing chemical analysis of rocks and ores standards;

--- Increased requirements for apparatus, equipment and measuring instruments shall be within the validity period of the test;

--- Increased reagents, laboratory water requirements and standard solutions should be carried out to verify alignment requirements;

--- Increased the use of the standard substance (or spike recovery), so that the test results are accurate and reliable, and traceability requirements;

--- Increasing the chemical analysis of rocks and minerals standard safety precautions for handling hazardous substances need to be to protect the environment Requirements;

--- Modified according to standard analytical sample preparation and processing;

--- Modify the content analysis results to the mass fraction w (B) represented;

--- Revised standard samples to verify test is required after confirming used. The standard proposed by the People's Republic of China Ministry of Land Resources. This standard by the Technical Committee of Standardization of Land and Resources. This standard is drafted by: National Geological Experimental Test Center. Drafting of this standard. National geology test center in Wuhan Integrated Mineral Rock Measurement Center, Institute of Geology and Mineral Resources in Zhejiang Province. The main drafters of this standard. Wangsu Ming, Yanmao Hong, Jiang Zheng deposit, 3n. This standard supersedes the previous editions as. GB/T 14505-1993. Methods for chemical analysis of rocks and ores General rules and regulations

1 Scope

GB/T 14505-2010 is the Chinese national standard on method for chemical analysis of rocks and ores - general rules and regulations, in the field of mining and minerals. 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 10 November 2010 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 February 2011. Classification: ICS 73.080, CCS D53. 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 method for chemical analysis of rocks and ores General rules and regulations. This standard applies to chemical analysis of rocks and ores.

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. Preparation of

GB/T 601 chemical reagent standard titration solution

GB 3100 International System of Units and Its Application

GB 3101 general principles relating to amounts, units and symbols

GB 3102 (all parts), Quantities and Units

GB/T 6379 (all parts) of measurement methods and accuracy (trueness and precision) of results Laboratory use specifications and test methods GB/T 6682 Analysis

GB/T 8170 repair value expressed about the rules and limit values \u200b\u200band judgment DZ/T 0130.2 Geology and Mineral Resources Laboratory Testing Quality Management specification - Part 2. Analysis of rock and mineral sample preparation

3 General

3.1 Methods for chemical analysis of rocks and minerals listed in the standard, can be used in the arbitral analysis, verify other analytical methods, reference materials and value analysis Routine analysis.

3.2 rocks and ores of a component (element) of the chemical analysis of more than one standard method should be based on the purpose of measurement and sample content Range choose to use.

3.3 Methods for chemical analysis of rocks and ores standard components.

a) Methods for chemical analysis of rocks and ores should cover elements are. cover, directory, foreword, introduction, the standard method names, security alerts (Report), scope, normative references, terms and definitions, principle of the method, reagents and materials, instruments and equipment, sample analysis step Suddenly, the results of the calculation, precision and accuracy, uncertainty, quality assurance and control, special circumstances, precautions, waste disposal, Test reports, appendices, references, etc;

b) where the essential elements. front cover, preface, standard method name, scope, method principle, reagents and materials, instruments and equipment, samples, Step analysis, the results of the calculation, precision and accuracy, etc;

c) where the optional elements are. Table of Contents, Introduction, safety warning (report), normative references, terms and definitions, uncertainty, quality assurance Certification and control, special circumstances, precautions, waste treatment, test reports, appendices, references and so on.

3.4 system (revising) the chemical analysis of rocks and minerals, we should adopt international atomic weight.

3.5 The amount of material, units and symbols according to GB 3100, GB 3101 and GB 3102 requirements for implementation.

3.6 The precision and accuracy test according to GB/T 6379 requirements.

3.7 Analysis of all the results of the analysis accuracy influential instruments, test equipment and measuring instruments used in the test shall be within the validity period.

3.8 Analysis of reagents and test water used in the test specification, the purity should be consistent GB/T 6682 or the corresponding chemical standard analytical methods