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

GB/T 22541-2008

Instrument for soil test - Compaction apparatus

土工试验仪器 击实仪

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Foreword

This standard is proposed and administered by the People's Republic of China Ministry of Water Resources. This standard is mainly drafted by: MWR hydrological instruments and geotechnical engineering Instrument Quality Supervision and Testing Center, the State Power Company Nanjing Electric Power Automation Equipment Factory, Nanjing Soil Instrument Co., Ltd. Participated in the drafting of this standard. the country's industrial production permit office hydrological instruments and geotechnical engineering Instrument Examination Department, Ministry of Water Resources South Beijing Hydrological Institute of Automation. The main drafters of this standard. a new chapter, Chaconne, plus Mao Feng, Xu Le. The drafters of some of the participants. Yuanpu Sheng, Bao-liang obtuse. Soil test equipment Compactor

1 Scope

GB/T 22541-2008 is the Chinese national standard on instrument for soil test - compaction apparatus, in the field of natural and applied sciences. 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 21 November 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 February 2009. Classification: ICS 07.060, CCS N93. 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 compaction device product classification, structure, composition and specifications, technical requirements, test methods, inspection rules, marking, instructions for use Books, packaging, transportation and storage requirements. This standard applies to the determination of cohesive soil compaction device maximum dry density and optimum water content.

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 9969.1 Instructions General Industrial Products

GB/T 15464 instrumentation packaging technology

GB/T 50279 Standard for fundamental terms of geotechnical engineering

3 Terms and Definitions

GB/T 50279 and established the following terms and definitions apply to this standard.

3.1 A standard compaction method is used for a given function compaction of cohesive soil Determination down maximum dry density and optimum water content of the soil test instrument.

3.2 Compaction test resulting peak point on the curve dry density and moisture content of the corresponding relationship between dry density.

3.3 Dry density and moisture content of the relationship between compaction tests were performed on the curve corresponding to the maximum dry density of moisture.

4 Categories, composition and specifications

4.1 Categories Compactor according to different hammer lifting force is divided into two kinds of manual and electric.

4.2 structure and composition Compactor mainly by compaction tube, casing, base plate, the guide tube, hammer, drop height tracking mechanism, hit counting mechanism and other component parts. Wherein the hand Dynamic compaction device structure diagram shown in Figure 1, electric compaction meter structure diagram shown in Figure 2.