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CCS N93



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

GB/T 21997.1-2008

**Instrument for soil test - Liquid limit device - Part 1: Casagrande
liquid limit device**

土工试验仪器 液限仪 第1部分：碟式液限仪

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Foreword

GB/T 21997 "liquid limit soil test equipment instrument" is divided into two parts.

--- Part 1. Dish liquid limit device;

--- Part 2. cone liquid limit device. This section is GB/T Part of 121,997. This part of the People's Republic of China Ministry of Water Resources and focal points. This part 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., Nanjing Ministry of Water Hydrological Institute of Automation. The main drafters of this section. a new chapter, Chen Yu, Xu Yue, Wang Changsheng, Bao-liang obtuse. Liquid limit soil test equipment tester
Part 1. Dish liquid limit device

1 Scope

GB/T 21997.1-2008 is the Chinese national standard on instrument for soil test - liquid limit device - part 1: casagrande liquid limit device, 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 17 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 October 2008. 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 section GB/T 21997 specifies the terms and definitions, classifications and structure of soil test equipment in dish liquid limit device composition, technology to Requirements, test methods, inspection rules, signs and instructions, packaging, transportation and storage.

This section applies to the determination of clayey soil test equipment liquid limit of dish liquid limit device.

2 Normative references

The following documents contain provisions which, through reference

GB/T 21997 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 191-2008 Packaging - Pictorial signs (ISO 780.1997, MOD)

GB 9969.1 Instructions General Industrial Products

GB/T 15406 geotechnical engineering instrument basic parameters and general technical conditions

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 part of the GB/T 21997 of.

3.1 For the determination of cohesive soil liquid limit of the instrument.

3.2 With soil samples containing copper dish fall hit rubber base way to measure cohesive soil liquid limit of the instrument.

4 Classification and structures

4.1 Classification Different shaft-driven approach is divided into manual dish liquid limit apparatus and electric meter dish liquid limit two kinds.

4.2 structure and composition Dish liquid limit device mainly by the base, copper plates, connection blocks, brackets, slide plate, shaft, cam, counters, shaft drive mechanism and the designated slot knives Composition, the structure shown in Figure 1, Figure 2, Figure 3 and Figure 4.