

ICS 25.100.30
CCS D 81

JG

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

JG/T 554-2018

Replacing JG/T 5061.7-1995

**Loess sampler
(English Translation)**

Issued on: April 26, 2018

Implemented on: December 1, 2018

**Issued by: Ministry of Housing and Urban-Rural Development of the
People's Republic of China**

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Technical Committee for Engineering Survey and Measurement Standardization of the Ministry of Housing and Urban-Rural Development.

This standard replaces JG/T 5067.1-1995 "Loess Earth Reader". Major technical content changes compared to JG/T 5061.7-1995 as follows.

- Updated the reference standard and adopted the latest domestic technical standards;
- Adjust the main parameters from the outer diameter of the sampling tube to the inner diameter of the cutting edge;
- Added the relevant parameters of "loess unlined earth borrower";
- The contents of the original specification based on YB235 were adjusted in accordance with the requirements of GB/T 9808;
- JG J89 "Undisturbed Soil Sampling Technical Standard" was adjusted to JG J/T 87 "Technical Regulations for Geological Exploration and Sampling of Construction Engineering";
- Revised some of the material technical requirements, test methods, inspection rules, signs, packaging, transportation, storage, etc.;
- The product replacement standard, storage conditions, factory certificate, environmental protection, resource conservation, durability requirements and other content have been clarified.

This standard is mainly drafted by. Construction Comprehensive Survey and Research Design Institute Co., Ltd., Northwest Comprehensive Survey and Design Institute.

This standard was drafted. Hebei Construction Survey and Research Institute Co., Ltd., Changjiang Geotechnical Engineering Corporation (Wuhan), North China Weaponry Industry Survey and Design Institute Co., Ltd., Shanghai Jinyin Geotechnical Investigation Equipment Co., Ltd., Xinjiang Uygur Autonomous Region Architectural Design and Research Institute, China Exploration Metallurgical Survey and Design Institute Co., Ltd., Central South Survey and Design Institute (Hubei) Co., Ltd., Kunming Survey and Design of China Nonferrous Metals Industry Research Institute.

Drafters of this standard. Li Yaogang, Wu Wei, Yan Jianlong, Guo Mingtian, Guo Shutai, Sheng Yunou, Sun Huizhe, Zhou Zhigang, Wang Jian, Ma Ming, Xiao Dongshun, Zeng Lixin, Ding Wei, Zhang Tao, Huang Yanpu, Li Aijun, Zhu Zhaoyu, Wang Jiayu, Nie Qingke, Dong Yuping, Xie Hongqiang, Zhang Xiaoyu, Liu Wenlian, Ding Fei, Jia Xiangxin, Gu Baohe, and Liu Yuanhao.

The previous versions of the standards replaced by this standard are.

---JG/T 5061.7-1995.

Loess earth borrower

1 Scope

This standard specifies the terms and definitions, classification and marking, requirements, test methods, inspection rules and signs, packaging, transportation of loess earth borrowers.

And storage.

This standard is applicable to the earth borrower that takes the loess grade I quality soil sample in the borehole.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 1031 Product Geometrical Specification (GPS) Surface Structure Contour Method Surface Roughness Parameters and Their Values GB/T 8888 heavy non-ferrous metal processing products packaging, marking, transportation, storage and quality certificate GB/T 9808 seamless steel pipe for drilling GB/T 15519 chemical conversion film steel black oxide film specification and test method GB/T 16950 geological core drilling tools GB 50021 Geotechnical Investigation Specification GB/T 32534 taper thread detection method JG J/T 87 Technical Specifications for Construction Engineering Geological Exploration and

Sampling

3 Terms and definitions

The following terms and definitions apply to this document.

A borrower with an inner diameter of 120 mm and an area ratio of 12% to 15%.

Internal clearance ratio insideclearanceratio the ratio of the difference between the inner diameter of the earther liner and the inner diameter of the cutting edge and the inner diameter of the cutting edge is expressed as a percentage.

Outer clearance ratio the ratio of the difference between the outer diameter of the earther and the outer diameter of the sample tube to the outer diameter of the sample tube is expressed as a percentage.

Area ratio the ratio of the difference between the outer and inner cross-sectional areas of the earth-boring device and the internal area of the earth-boring device is expressed as a percentage.

Liner screenedtube

The innermost layer of metal or non-metallic semi-open pipe of the earth-moving device is used for taking samples and used as sample vessels for packaging and transportation.