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

GB/T 27738-2011

Automatic gravimetric filling instruments

重力式自动装料衡器

(English Translation)

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Foreword

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

This standard uses the re-drafting method to amend the use of international legal system of measurement organization 61 international recommendations OIMLR61 "gravity automatic loading balance Quot; Automatic Gravimetric Filing Instruments.2004 (E) (R61-1, R61-2).

R61 International Recommendations were prepared by the OIMLTC9/SC2 Automatic Weighing Subcommittee in 2004. R61 "gravity automatic "Weighing Weighing" is divided into two parts. Part 1 (R61-1) "Measurement Requirements and Technical Requirements Test"; Part 2 (R61-2) "Type Evaluation report".

In order to be consistent with the R61 international proposal, the R61 International Recommendations Appendix A and Appendix B are the normative Appendix A and Appendix B.

As China's current measurement of product management model and the international are not the same, so this standard and R61 international recommendations there is a small amount of Differences, for the sake of comparison, a list of the terms of this Standard and the International Recommendations are listed in the Appendix C of the Information.

Due to the legal requirements of our country and the special needs of industry, this standard has been modified when international recommendations are adopted. These technical differences are used the vertical single line identifies the margins in the terms of the articles they are involved in. A list of technical differences and their causes is given in Appendix D, for reference.

This standard addresses the preamble of the R61 International Recommendation.

This standard is proposed by the Federation of Light Industry.

This standard is nationalized by the National Standardization Technical Committee (SAC/TC97).

This standard is responsible for drafting units. Saimo Electric Co., Ltd.

This standard participates in the drafting unit. Shanghai Dahe Weighing Apparatus Co., Ltd., METTLER TOLEDO (Changzhou) Weighing Equipment System Co., Ltd., Wuxi City Naite Electrical and Mechanical Integration Technology Co., Ltd., Jiangsu Province Institute of Metrology.

1 Scope

This standard specifies the terms, product type, requirements, inspection methods and rules for gravity automatic weighing instruments, marking, packaging, shipping and Storage.

This standard also evaluates the metrological characteristics or technical characteristics of gravity automatic weighing instruments in a traceable way, providing them with standardized Summarize test procedures and forms.

This standard applies to gravity automatic weighing instruments that automatically achieve a predetermined mass by loading single or multiple loads. Gravity type Automatic weighing instruments in this standard referred to as weighing instruments.

This standard does not limit the maximum weighing or minimum weighing of the weighing instrument. In addition, you can also ask the weighing instrument to meet other national standards Specified certain requirements. For example, when the weighing instrument in the normal use of non-automatic mode, should meet the non-automatic weighing the relevant standards for the charge is less than or equal to 25kg of the situation, should meet the pre-packaged commodity content of the relevant standards.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this standard.

GB/T 191 Packaging and Storage Icons (GB/T 191-2008, ISO 780.:1997, MOD) GB/T 2887 General specification for electronic computer premises Anti - rust packaging GB/T 4879 GB/T 5048 moisture-proof packaging GB/T 2423.1 Environmental testing for electric and electronic products - Part 2. Test methods - Test A. Low temperature (GB/T 2423.1-2008, IEC 60068-2-1.:2007, IDT) GB/T 2423.2 Environmental testing for electric and electronic products - Part 2. Test methods - Test B. High temperature (GB/T 2423.2-2008, IEC 60068-2-2.:2007, IDT) GB/T 2423.3 Environmental testing for electric and electronic

products - Part 2. Test methods - Cab. constant damp heat test (GB/T 2423.3-2006, IEC 60068-2-78.:2001, IDT) GB/T 2424.1 Environmental testing of electrical and electronic products - Guidelines for high temperature and low temperature test (GB/T 2424.1-2005, IEC 60068-3-1.

1974, IDT)

GB/T 2424.2 Electrical and electronic products Environmental testing Guidelines for damp heat test (GB/T 2424.2-2005, IEC 60068-3-4.

2001, IDT)

GB/T 7551 load cell (GB/T 7551-2008, OIMLR60..2000, MOD) GB/T 7724 electronic weighing instruments General specification for packaging of electromechanical products GB/T 13384 GB/T 15395 General specification for electronic equipment cabinets Safety requirements for electronic weighing GB 14249.1 GB/T 14250 Weighing terms GB/T 17626.2 Electromagnetic compatibility test and measurement technology Electrostatic discharge immunity test (GB/T 17626.2-2006, IEC 61000-4-2.:2001, IDT)