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

GB/T 34526-2017

Rules for the filling of gas mixture cylinders

混合气体气瓶充装规定

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. Please note that some of this document may be patentable. The release of this document The agency does not assume responsibility for identifying these patents. This standard by the National Gas Cylinder Standardization Technical Committee (SAC/TC31) and focal point. This standard was drafted by Hangzhou New Century Mixed Gas Co., Ltd., Beijing Helium North Gas Industry Co., Ltd., Beijing Praxair Practical Gas Co., Ltd., China Industrial Gas Industry Association. The main drafters of this standard. Wu Yue Sun, Zhao Junxiu, Hunchun dry, Song Qi, Shen Jianlin, Zhang Jinbo. Mixed gas cylinder filling provisions

1 Scope

China's national rules for filling cylinders with gas mixtures. It specifies the terms and definitions, the basic conditions for a mixed gas filling station, the personnel requirements, the equipment and technical requirements, the filling operation itself, the emergency management, and the packaging, marking and storage. Filling a mixture is a different operation from filling a pure gas, and more can go wrong. The composition has to be right, because the customer will use the mixture as a calibration standard, a welding shield, a laser fill or a medical gas, and in each of those an error in composition is an error in whatever the mixture is used for. The components must be added in the correct order and at the correct partial pressures, and they must be given time to mix - a cylinder filled and shipped immediately can deliver a different composition at the start of its life than at the end. And some mixtures are flammable or toxic in combination when their components are not, so the station has to be designed for the mixture rather than for the gases.

This standard specifies the terms and definitions mixed gas cylinder filling station, the basic conditions, personnel requirements, equipment and technical requirements, mixed Gas cylinder filling, emergency management, packaging, marking and storage. This standard applies to the preparation of gas - gas mixture, liquid - liquid gas cylinder filling. Other special purpose gas cylinder filling Can refer to this standard.

2 Normative references

The following documents for the application of this document is essential. 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 190 Dangerous goods packaging mark

GB/T 5099 seamless steel gas cylinder

GB/T 5274 Gas analysis Calibration Preparation of mixed gases Weighing

GB/T 5275 (all parts) gas analysis dynamic volume method for the preparation of calibration gas mixture

GB/T 7144 cylinder color logo

GB/T 11640 seamless aluminum alloy gas cylinder

GB/T 13005 gas bottle terminology Preparation of gas mixtures for gas analysis calibration

GB/T 14070 Pressure method

GB/T 14193 liquefied gas cylinder filling provisions

GB/T 14194 permanent gas cylinder filling requirements

GB 15258 Chemical Safety Labeling Rules

GB/T 15383 cylinder valve outlet connection type and size

GB/T 16804 cylinder warning labels

3 Terms and definitions

GB/T 13005 and defined by the following terms and definitions apply to this document.