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

GB/T 10248-2005

Replacing GB/T 10248-1988; GB/T 10627-1989

**Gas analysis -- Preparation of calibration gas mixtures -- Static
volumetric methods**

气体分析校准用混合气体的制备静态体积法

(English Translation)

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What this standard covers

This standard specifies the static volumetric calibration gas mixtures prepared by the method of calculation also gives the volume fraction of the mixture Guide. This standard applies to the preparation of binary gas (balance gas contains a calibration component balance gas is usually nitrogen or air, see reference [1], [2]), is also suitable for the preparation contains more than balanced by the gas a method of calibrating a gas mixture components. This standard is given to determine the calibration gas mixture composition of each volume fraction of the expanded uncertainty of the method. Note 1: This standard applies to the preparation of the volume fraction of component concentration range of the calibration is 10×10^{-9} (10ppb) to 50×10^{-6} (50ppm) calibration gas mixture, however choosing the right program can be prepared by diluting the static high or low the volume fraction of the mixed gas, Note 2: In the concentration range, the relative confidence level of 95% expanded uncertainty less than 1%, provided

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