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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3613-2013

Test method for determining total volatile organic compounds from furniture

家具中总挥发性有机化合物的检测方法

(English Translation)

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Foreword

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

1 Scope

This standard specifies a test method for the determination of total volatile organic compounds in furniture under specific environmental conditions in the climate chamber.

This standard applies to the determination of total volatile organic compounds in furniture.

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 modifications) applies to this document.

Technical requirements for environmental labeling products - Wood - based panels and their products

3 Terms and definitions

The following terms and definitions apply to this document.

Clean air replacement rate cleanairchangerate the ratio of clean air flow (m3/h) to the effective volume of the climate chamber (m3) entering the climate chamber per unit time is in l/h, abbreviated Into ACH, with n said. The clean air flow Q is expressed in m3/h and can be measured directly from the clean air supply tube.

Release speed

The analyte content per unit of test and the amount of analyte released per unit test area, mg/(m2h).

Emission rate

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Test sample release time per unit time, mg/h.

Climate chamber

One with a large enough capacity to load the assembled furniture system (or set of furniture)/or furniture products (single piece) or furniture and the ability to achieve the same conditions as the furniture products using environmental conditions (temperature, relative humidity and air mixing) requirements of the device.

Load factor

The total area of the test sample in the climate chamber is divided by the net air volume of the climate chamber, m2/m3.

Time zero

When the test sample into the climate box, the climate chamber door closed for a moment as the time zero.

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