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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3778-2014

Textiles - Determination of the emission of volatile organic compounds - Small chamber method

纺织品 挥发性有机化合物释放量试验方法 小型释放舱法

(English Translation)

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Preview: page 1 of 3 shown, 11 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3778-2014

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Table of Contents

Foreword

1 Scope

2 Terms and definitions

Foreword

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

Please note that some of the content of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Jiangsu Entry-Nanjing Product Quality Supervision and Inspection Institute of Dongguan City rise MEMS Equipment Technology Limited.

1 Scope

This standard specifies the textile total volatile organic compounds, aromatic compounds, and the total vinyl chloride, 1,3-butadiene, toluene, ethylene Test methods for releasing small cabin cyclohexene, styrene and 4-phenyl cyclohexene emission.

This standard applies to textile total volatile organic compounds, aromatic compounds, and the total vinyl chloride, 1,3-butadiene, toluene, ethylene Cyclohexene, styrene and 4-phenyl cyclohexene emission measurement.

2 Terms and definitions

The following terms and definitions apply to this document.

Air exchange rate airchangerate Released per unit time into the volume of air tanks and release tank effective volume ratio (times/h).

Ventilation ventilationrate Released per unit time into the cabin air volume.

Surface wind speed airvelocity Release compartment air flow rate of the sample surface.

Test time

The time interval from the start of the test to begin sampling between.

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VOC volatileorganiccompounds; VOCs Test samples released by the release of all organic compounds cabin air outlet detected.

Total volatile organic compounds; TVOC in AirToxic sorbent tube trap, after thermal desorption, nonpolar column (polarity index of less than 10) separated mass detector (MS) detection Measure, the total retention time of volatile organic compounds in the vinyl chloride positive hexadecane (including vinyl chloride and n-hexadecane) between.

Total aromatic hydrocarbons in AirToxic sorbent tube trap, after thermal desorption, nonpolar column (polarity index of less than 10) separated mass detector (MS) detection Measure, the total retention time between the aromatic compound hexane positive hexadecane. Typical aromatic compound in Appendix A.

Small cabin smalchamber release VOC release for testing textiles, the operating parameters adjustable device, in the volume of 50L ~ 1000L (including 50L Between and 1000L).

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