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

GB/T 36803-2018

**Determination of the emissions of volatile organic compounds
from adhesive -- Bag method**

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Standardization Administration**

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2012 chapter number comparison list.

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Foreword

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

This standard uses the redrafting method to modify the use of ISO 12219-2:2012 "Roads in road vehicles - Part 2. Automotive interiors and materials

Determination of volatile organic compounds in the bag method.

This standard has more structural adjustments than ISO 12219-2:2012. This standard and ISO 12219-2 are listed in Appendix A.

2012 chapter number comparison list.

There are technical differences between this standard and ISO 12219-2:2012. The terms involved in these differences have been passed on the outer side of the page.

The vertical single line (|) of the white position is marked, and a list of the corresponding technical differences and their causes is given in Appendix B.

This standard has made the following editorial changes.

--- Change the standard name to "Measurement method for the release of volatile organic compounds from adhesives";

--- According to the national conditions, for practical operation, modified Table 1 in ISO 12219-2:2012, as Appendix D "Test Report formula".

This standard was proposed by the China Petroleum and Chemical Industry Federation.

This standard is under the jurisdiction of the National Adhesive Standardization Technical Committee (SAC/TC185).

This standard was drafted. Shanghai Rubber Products Research Institute Co., Ltd., Shenzhen Beizhen Testing Technology Co., Ltd., Shanghai Plastics Research

Ltd., IKEA China Testing and Training Center.

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Adhesive volatile organic compounds

Determination of release amount

1 Scope

This standard specifies the use of bag method to determine the release of volatile organic compounds (VOC), formaldehyde and other carbonyl compounds in adhesive products.

The method of quantity.

This standard applies to the measurement of the release of non-polar and weakly polar volatile organic compounds between n-C6 and n-C16 (coating release and residue).

I release). The measured concentrations of VOCs, formaldehyde and other carbonyl compounds ranged from $\mu\text{g}/\text{m}^3$ to mg/m^3 .

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2943 Adhesive Terminology

GB/T 32371.2 Low-solvent or solvent-free adhesives - Determination of release characteristics - Part 2. Volatility

Determination of organic compounds

GB/T 32371.3 Low-solvent or solvent-free adhesives - Determination of release characteristics - Part 3. Volatility

Determination of aldehydes

ISO 16000-3 Indoor air - Part 3. Measurements of release of formaldehyde and other carbonyl compounds from indoor air and test chamber air

Active sampling method (Indoorair-Part 3. Determination of formaldehyde and other carbonyl compounds in

Indoorair and test chamber air - Active sampling method)

ISO 16000-6:2011 Indoor air Part 6. Use of TENAXTA adsorbent activity sampling, thermal

desorption and

Determination of volatile organic compounds in indoor air and test chamber air by MS or MS-FID gas chromatography (Indoorair-Part 6.

Determination of volatile organic compounds in indoor and test chamber air by active sampling on TENAXTA sorbent, thermal desorption and gas chromatography using MS or MS-FID)

ISO 16017-1 Volatile organic compounds in indoor, environmental and workplace air by adsorption tube/thermal desorption/capillary gas chromatography

Analytical and sampling - Part 1. Suction sampling (Indoor, ambient and workplace air - Sampling and analysis -

Analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography - Part 1.

Pumped sampling)

3 Terms and definitions

The following terms and definitions as defined in GB/T 2943 apply to this document.

3.1

Coating release amount apply release quantity

Adhesive products are tested immediately after application as required, and volatile organic compounds are measured at specific temperature and time conditions.

The amount of substance released.

Note. The production time of the sample should not exceed 5 minutes.