



SLOVENSKI STANDARD SIST ISO 12219-8:2019

01-september-2019

Notranji zrak v cestnih vozilih - 8. del: Pakiranje vzorcev materialov in sestavnih delov za preskušanje emisij in ravnanje z njimi

Interior air of road vehicles - Part 8: Handling and packaging of materials and components for emission testing

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Air intérieur des véhicules routiers - Partie 8: Manutention et emballage des matériaux et des composants pour les essais d'émissions

[SIST ISO 12219-8:2019](http://standards.itih.si/sist-iso-12219-8-2019)

Ta slovenski standard je istoveten z: **ISO 12219-8:2018**

ICS:

13.040.20	Kakovost okoljskega zraka	Ambient atmospheres
43.020	Cestna vozila na splošno	Road vehicles in general

SIST ISO 12219-8:2019

en

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INTERNATIONAL
STANDARD

ISO
12219-8

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2018-10

Interior air of road vehicles —

Part 8:

**Handling and packaging of materials
and components for emission testing**

Air intérieur des véhicules routiers —

*Partie 8: Manutention et emballage des matériaux et des composants
pour les essais d'émissions*
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Contents

Page

Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Simplified process overview and timeline.....	2
5 Sampling the product.....	4
6 Preparation of the test specimen.....	4
7 Conditioning of the test specimen.....	5
8 Packaging.....	5
9 Labelling.....	6
10 Transport.....	6
11 Storage.....	7
Bibliography.....	8

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ISO 12219-8:2018(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 146, *Air quality*, Subcommittee SC 6, *Indoor air*.

A list of all parts in the ISO 12219 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Volatile and semi-volatile organic compounds (VOCs and SVOCs) are widely used in industry and can be emitted by many everyday products and materials. They have attracted attention in recent years because of their impact on indoor air quality. After homes and workplaces, the other place people spend a lot of time is in their vehicles. Therefore, it is important to determine the material emissions of interior parts of vehicles and to reduce them to an acceptable level. To do so, it is necessary to get comprehensive and reliable information about the types of organic compounds in the indoor air of vehicles and their concentrations. Since contamination of the materials and/or rapid volatilization of emissions can influence the results of the measurements, it is necessary to know these effects to achieve repeatable and accurate test results.

This document describes the handling and packaging of materials and components for emission testing. It is intended to be used by producers and testing laboratories in the automotive industry.

This document supports the vehicle product development cycle since vehicle interior materials change frequently. Testing methods can specifically define the handling and packaging conditions for the material to be analysed. In these cases, the method is followed as closely as possible. This document can be used as a guide for when the protocol for handling and packaging the samples between part production and testing is not exactly defined.

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Interior air of road vehicles —

Part 8:

Handling and packaging of materials and components for emission testing

1 Scope

This document specifies the selection, preparation, conditioning, packaging, labelling, transportation and storage for materials and components for, but not limited to, volatile organic compound (VOC) testing, fogging testing and odour testing.

It pays special attention to materials sensitive to contamination and/or rapid volatilization of emissions in order to achieve repeatable and accurate test results.

2 Normative references

There are no normative references in this document.

3 Terms and definitions (standards.iteh.ai)

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

analytical sample

emissions sample that is taken during the emissions test procedure

Note 1 to entry: When determining volatile organic compound emissions, typical air samples are taken at selected times during the test procedure. Other methods, such as fogging or odour, may produce results without the need for analytical samples and post analysis. Two other terms used with “analytical sample” are “background sample” and “blank sample”. Both terms are used to ensure accurate measurements, see ISO 16000-6 and ISO 16000-3 for more details.

3.2

liquid material

material that arrives at the vehicle assembly line in a liquid form and does not fully solidify

EXAMPLE Sealers and adhesives.

3.3

producer

company and manufacturing plant that makes and supplies the product to be tested