

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 1912 : 2015

**Determination of the emission of
volatile organic compounds and
aldehydes without formaldehyde by
building materials and building related
products — Large chamber method**

ICS 13.040.20 ; 71.040.40

Reference number : JIS A 1912 : 2015 (E)

A 1912 : 2015

Date of Establishment: 2008-03-20

Date of Revision: 2015-03-20

Date of Public Notice in Official Gazette: 2015-03-20

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area
Technical Committee on Architecture

JIS A 1912 : 2015, First English edition published in 2016-02

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

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Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Symbols and units	2
5 Principle	2
6 Apparatus	2
6.1 General	2
7 Test conditions	5
7.1 General	5
7.2 Temperature and relative humidity	5
7.3 Supply air quality and background concentration	5
7.4 Mass transfer coefficient	5
7.5 Area specific ventilation rate and air exchange rate	6
8 Verification of test conditions	6
8.1 Monitoring of test conditions	6
8.2 Airtightness of large chamber	6
8.3 Air exchange rate in large chamber	6
8.4 Efficiency of the internal large chamber air mixing	6
8.5 Recovery and sink effect	7
8.6 Determination of surface air flow	7
9 Preparation of large chamber	8
10 Preparation of test specimens	8
10.1 General	8
10.2 Movable parts of the test specimen (such as a door)	8
11 Test methods	9
11.1 Background concentration and travel blank	9
11.2 Placing the test specimen in the large chamber	9
11.3 Time intervals for measurement of chamber outlet concentration	9
11.4 Air sampling	10
12 Method of analysis	10
12.1 Analysis of VOC emission	10
12.2 Analysis of emission of carbonyl compounds other than formaldehyde	10
13 Calculation of emission factor and expression of results	10

14	Test report	11
Annex A (informative)	Example of 2 m ³ large chamber	13
Annex B (informative)	Example of 14 m ³ large chamber	17
Annex C (informative)	Example of 24 m ³ large chamber	21
Annex D (informative)	Storage and preparation procedures for test specimens	25
Annex E (informative)	Guideline values for volatile organic compounds (VOC) and carbonyl compounds other than formaldehyde	27
Annex F (informative)	Comparison table between previous and current editions of this Standard on technically significant revisions	29

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

Consequently **JIS A 1912:2008** is replaced with this Standard.

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Determination of the emission of volatile organic compounds and aldehydes without formaldehyde by building materials and building related products — Large chamber method

Introduction

This Japanese Industrial Standard was established in 2008. The intent of this revision is to achieve unification of terms and definitions, and symbols with the related standards. The comparison table between previous and current editions of this standard on technically significant revisions is given in Annex F.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies a method for determination of the amount of volatile organic compounds (hereafter referred to as “VOC”) and carbonyl compounds other than formaldehyde emitted into the air from furniture, building materials and building related products by using a large chamber.

It is applicable to furniture, building boards, wall papers, floor materials, as well as adhesives and paints used for installation and combined products thereof.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS A 1901 *Determination of the emission of volatile organic compounds and aldehydes by building products — Small chamber method*
- JIS A 1911 *Determination of the emission of formaldehyde by building materials and building related products — Large chamber method*
- JIS A 1962 *Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air — Active sampling method*
- JIS A 1965 *Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA® sorbent, thermal desorption and gas chromatography using MS or MS-FID*
- JIS A 1966 *Indoor air — Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography — Pumped sampling*
- JIS K 0123 *General rules for gas chromatography/mass spectrometry*