

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS R 1709 : 2014

(JFCA/JSA)

Fine ceramics (advanced ceramics, advanced technical ceramics) —

Light source for test of photocatalytic materials used under ultraviolet

ICS 81.060.30

Reference number : JIS R 1709 : 2014 (E)

PROTECTED BY COPYRIGHT

8 5

R 1709 : 2014

Date of Establishment: 2007-07-20

Date of Revision: 2014-02-20

Date of Public Notice in Official Gazette: 2014-02-20

Investigated by: Japanese Industrial Standards Committee
Standards Board
Technical Committee on Ceramics

JIS R 1709 : 2014, First English edition published in 2015-05

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

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2015

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

KK/HN

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Light source	2
4.1 Type and relative spectral distribution of light source	2
4.2 Other light sources	3
5 UV irradiance meter	3
6 Lighting and service conditions	4
Annex JA (informative) Comparison table between JIS and corresponding International Standard	6

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 as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Fine Ceramics Association (JFCA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS R 1709:2007** is replaced with this Standard.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Fine ceramics (advanced ceramics, advanced technical ceramics) — Light source for test of photocatalytic materials used under ultraviolet

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 10677** published in 2011 with some modifications of the technical contents to correspond to the actual performance tests in Japan.

The portions with dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the light source and the irradiance meter used when testing the performance of photocatalytic materials excited by UV radiation in a laboratory.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 10677 : 2011 *Fine ceramics (advanced ceramics, advanced technical ceramics) — Ultraviolet light source for testing semiconducting photocatalytic materials* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

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 C 1609-1 *Illuminance meters Part 1 : General measuring instruments*

JIS C 7601 *Fluorescent lamps for general lighting service*

JIS C 7617-2 *Double-capped fluorescent lamps — Part 2 : Performance specifications*

JIS R 1600 *Glossary of terms relating to fine ceramics*

JIS Z 8113 *Lighting vocabulary*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in JIS C 7601, JIS