

Translated and Published by Japanese Standards Association

JIS K 1477: 2007

(AFAC/JSA)

Test methods for fibrous activated carbon

ICS 71.060.10

Reference number: JIS K 1477: 2007 (E)

K 1477:2007

Date of Establishment: 1995-04-01

Date of Revision: 2007-11-20

Date of Public Notice in Official Gazette: 2007-11-20

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Chemical Analysis

JIS K 1477:2007, First English edition published in 2008-04

Translated and published by: Japanese Standards Association 4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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

© JSA 2008

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

NH/AT

Contents

	Pago
1	Scope1
2	Normative references
3	Terms and definitions2
4	Sampling method
5	General matters
6	Test items
7	Test method ····································
7.1	Specific surface area
7.2	Pore volume ····································
7.3	Physical properties of fibre8
7.4	Physical properties of sheet ···································
7.5	Drying loss
7.6	pH value ————————————————————————14
7.7	Ignition residue — 15
7.8	Toluene adsorption performance
7.9	Methylene blue adsorption performance
7.10	Iodine adsorption performance

K 1477: 2007

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 Association of Fibrous Activated Carbon (AFAC)/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 K 1477: 1995 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 a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

Test methods for fibrous activated carbon

JIS K 1477: 2007

1 Scope

This Japanese Industrial Standard specifies the test methods for fibrous activated carbon.

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.

ncluding amendments) indicated below shall be applied.			
JIS B 7721	Verification and calibration of the force measuring system of the tension/compression testing machines		
JIS B 7956	Continuous analyzers for hydrocarbons in ambient air		
JIS K 0050	General rules for chemical analysis		
JIS K 0114	General rules for gas chromatographic analysis		
JIS K 0115	General rules for molecular absorptiometric analysis		
JIS K 0211	Technical terms for analytical chemistry (General part)		
JIS K 0557	Water used for industrial water and wastewater analysis		
JIS K 0804	Gas detector tube measurement system (Length-of-stain type)		
JIS K 1107	Nitrogen		
JIS K 1150	Test method for silica gel		
JIS K 1474	Test methods for activated carbon		
JIS K 8005	Reference materials for volumetric analysis		
m JIS~K~8625	Sodium carbonate (Reagent)		
JIS K 8637	Sodium thiosulfate pentahydrate (Reagent)		
JIS K 8659	Starch, soluble (Reagent)		
JIS K 8680	Toluene (Reagent)		
JIS K 8897	Methylene blue (Reagent)		
JIS K 8913	Potassium iodide (Reagent)		
JIS K 8920	Iodine (Reagent)		
JIS K 8951	Sulfuric acid (Reagent)		
JIS K 9007	$Potassium\ dihydrogen phosphate\ (Reagent)$		
JIS K 9019	Disodium hydrogenphosphate 12-water (Reagent)		
JIS L 1906	Test methods for non-woven fabrics made of filament yarn		
JIS L 1913	Test methods for nonwovens made of staple fibers		
JIS P 3801	Filter paper (for chemical analysis)		
JIS R 1301	Porcelain crucibles for chemical analysis		