

Translated and Published by Japanese Standards Association

 $JIS\ K\ 1570^{\,:\,2010}$

(JWPA/JSA)

Wood preservatives

ICS 71.100.50

Reference number : JIS K 1570 : 2010 (E)

K 1570:2010

Date of Establishment: 1995-07-01

Date of Revision: 2010-09-21

Date of Public Notice in Official Gazette: 2010-09-21

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Chemical Products

JIS K 1570:2010, First English edition published in 2012-09

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 2012

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

Introduction 1 1 Scope 1 2 Normative references 1 3 Principle (pressure injection treatment) 3 4 Terms and definitions 3 5 Classification 4 6 Quality 4 7 Performance 10 8 Test methods of quality 10 8.1 General matters 10 8.2 Sampling method 10 8.3 Preparation of test solution 10 8.4 Analytical method for individual ingredients 12 8.5 Compound ratio and total content of active substances 53 8.6 Condition of products 59 8.7 Water insoluble content 59 8.8 pH 61 8.9 Acid value of fatty acid 61		Page
2 Normative references 1 3 Principle (pressure injection treatment) 3 4 Terms and definitions 3 5 Classification 4 6 Quality 4 7 Performance 10 8 Test methods of quality 10 8.1 General matters 10 8.2 Sampling method 10 8.3 Preparation of test solution 10 8.4 Analytical method for individual ingredients 12 8.5 Compound ratio and total content of active substances 53 8.6 Condition of products 59 8.7 Water insoluble content 59 8.8 pH 61 8.9 Acid value of fatty acid 61	Intr	oduction1
3 Principle (pressure injection treatment) 3 4 Terms and definitions 3 5 Classification 4 6 Quality 4 7 Performance 10 8 Test methods of quality 10 8.1 General matters 10 8.2 Sampling method 10 8.3 Preparation of test solution 10 8.4 Analytical method for individual ingredients 12 8.5 Compound ratio and total content of active substances 53 8.6 Condition of products 59 8.7 Water insoluble content 59 8.8 pH 61 8.9 Acid value of fatty acid 61	1	Scope1
4 Terms and definitions 3 5 Classification 4 6 Quality 4 7 Performance 10 8 Test methods of quality 10 8.1 General matters 10 8.2 Sampling method 10 8.3 Preparation of test solution 10 8.4 Analytical method for individual ingredients 12 8.5 Compound ratio and total content of active substances 53 8.6 Condition of products 59 8.7 Water insoluble content 59 8.8 pH 61 8.9 Acid value of fatty acid 61	2	Normative references — 1
5 Classification 4 6 Quality 4 7 Performance 10 8 Test methods of quality 10 8.1 General matters 10 8.2 Sampling method 10 8.3 Preparation of test solution 10 8.4 Analytical method for individual ingredients 12 8.5 Compound ratio and total content of active substances 53 8.6 Condition of products 59 8.7 Water insoluble content 59 8.8 pH 61 8.9 Acid value of fatty acid 61	3	Principle (pressure injection treatment)
6 Quality 4 7 Performance 10 8 Test methods of quality 10 8.1 General matters 10 8.2 Sampling method 10 8.3 Preparation of test solution 10 8.4 Analytical method for individual ingredients 12 8.5 Compound ratio and total content of active substances 53 8.6 Condition of products 59 8.7 Water insoluble content 59 8.8 pH 61 8.9 Acid value of fatty acid 61	4	Terms and definitions
7 Performance 10 8 Test methods of quality 10 8.1 General matters 10 8.2 Sampling method 10 8.3 Preparation of test solution 10 8.4 Analytical method for individual ingredients 12 8.5 Compound ratio and total content of active substances 53 8.6 Condition of products 59 8.7 Water insoluble content 59 8.8 pH 61 8.9 Acid value of fatty acid 61	5	Classification — 4
8 Test methods of quality 10 8.1 General matters 10 8.2 Sampling method 10 8.3 Preparation of test solution 10 8.4 Analytical method for individual ingredients 12 8.5 Compound ratio and total content of active substances 53 8.6 Condition of products 59 8.7 Water insoluble content 59 8.8 pH 61 8.9 Acid value of fatty acid 61	6	Quality ————4
8.1 General matters 10 8.2 Sampling method 10 8.3 Preparation of test solution 10 8.4 Analytical method for individual ingredients 12 8.5 Compound ratio and total content of active substances 53 8.6 Condition of products 59 8.7 Water insoluble content 59 8.8 pH 61 8.9 Acid value of fatty acid 61	7	Performance ————————————————————————————————————
*	8.1 8.2 8.3 8.4 8.5 8.6 8.7	General matters10Sampling method10Preparation of test solution10Analytical method for individual ingredients12Compound ratio and total content of active substances53Condition of products59Water insoluble content59pH61
	8.9 9	Acid value of fatty acid 61 Marking 62

K 1570: 2010

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 Wood Protection Association (JWPA)/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 1570**: 2004 is replaced with this Standard.

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

Being in conformance with this Standard may come under the use of the patent rights held by the following:

— Name: LANXESS Deutschland GmbH

- Address: LIP Intelectual Property Rights

Building Q18, Room 1457 51369 Leverkusen, Germany

- Name: Xyence Co., Ltd.

— Address: 2-3-2, Marunouti, Tiyoda-ku, Tokyo, 100-0005 JAPAN

The relevant holders of the above-mentioned industrial property rights have indicated to the Japanese Industrial Standards Committee an intention of granting license to anyone under the nondiscriminatory and reasonable conditions, except to the other holders of the industrial property rights related to this Standard who will not grant their licenses under the same conditions.

It should be noted that following this Standard does not always refer to granting a free license.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights as other than mentioned above. The Minister of Economy, Trade and Industry and Japanese Industrial Standards Committee are not responsible for identifying such patent rights.

The "patent rights" as mentioned here include patent right, application for registration of utility model after opening to the public, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public.

Wood preservatives

JIS K 1570:2010

Introduction

This Japanese Industrial Standard was established in 1995, and has been revised twice before this revision. The last revision was made in 2004 and the revision at this time involves reviewing of copper/azole compound series and creosote oil, addition of azole/quarternary ammonium/neonicotinoid compound series, and reflection of latest status of production and applications of the product.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies the wood preservatives for giving wood materials antiseptic and termite proofing performance which are used by pressure injection treatment.

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 A 9002	Preservative treatments of wood products by pressure processes		
JIS B 7525	Density hydrometers		
JIS H 2121	Electrolytic cathode copper		
JIS K 0050	General rules for chemical analysis		
JIS K 0061	Test methods for density and relative density of chemical products		
JIS K 0102	Testing methods for industrial wastewater		
JIS K 0114	General rules for gas chromatographic analysis		
JIS K 0115	General rules for molecular absorptiometric analysis		
JIS K 0116	General rules for atomic emission spectrometry		
JIS K 0121	General rules for atomic absorption spectrometry		
JIS K 0124	General rules for high performance liquid chromatography		
JIS K 1503	Acetone		
JIS K 1571	Wood preservatives—Performance requirements and their test methods for determining effectiveness		
JIS K 2249	Crude petroleum and petroleum products—Determination of density and petroleum measurement tables based on a reference temperature		

JIS K 2435-3 Benzene · Toluene · Xylene—Part 3: Xylene

(15 °C)

JIS K 3362 Test method of household synthetic detergent