

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS T 8034 : 2008

(JSAA/JSA)

Protective clothing — Protection against liquid chemicals — Measurement of repellency, retention, and penetration of liquid pesticide formulations through protective clothing materials

ICS 13.340.10

Reference number : JIS T 8034 : 2008 (E)

PROTECTED BY COPYRIGHT

12 S

T 8034 : 2008

Date of Establishment: 2008-04-25

Date of Public Notice in Official Gazette: 2008-04-25

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Protective Equipment for

Occupational Safety

JIS T 8034 : 2008, First English edition published in 2008-10

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

MT

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references.....	1
3 Terms and definitions	2
4 Principle.....	3
5 Apparatus	3
5.1 Apparatus and materials.....	3
5.2 Apparatus for analysis using Method A	4
5.3 Apparatus and materials for analysis using Method B.....	4
6 Test specimens	7
7 Selection of analytical technique	8
8 Preparation of test apparatus and materials	8
8.1 Calibration of the pipettor	8
8.2 Preparation of test assembly	9
8.3 Conditioning of test specimen.....	9
8.4 Testing temperature	9
9 Method A.....	9
9.1 Procedure.....	9
9.2 Calculation.....	10
10 Method B	11
10.1 Verification of amount of active ingredient in test liquid applied	11
10.2 Determination of extraction efficiency.....	11
10.3 Testing of blanks.....	11
10.4 Test procedure.....	12
10.5 Extraction of test liquids	12
10.6 Calculation.....	13
11 Test report.....	13
Annex JA (informative) Comparison table between JIS and corresponding International Standard.....	15

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Health, Labour and Welfare and the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Safety Appliances Association (JSAA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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 Ministers 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.

Protective clothing—Protection against liquid chemicals— Measurement of repellency, retention, and penetration of liquid pesticide formulations through protective clothing materials

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 22608 published in 2004 with some modifications of the technical contents considering the convenience of use.

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

1 Scope

This Standard specifies a test method to measure repellency, retention, and penetration of a known volume of liquid pesticide when applied to protective clothing material.

No external hydrostatic or mechanical pressure is applied to the test specimen during or after the application of the liquid pesticide.

This test does not measure resistance to permeation or degradation of protective clothing against liquid chemicals.

NOTE : The International Standard corresponding to this Standard is as follows.

ISO 22608: 2004 *Protective clothing—Protection against liquid chemicals—Measurement of repellency, retention, and penetration of liquid pesticide formulations through protective clothing 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.

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 T 8115 *Protective clothing for protection against chemicals—Classification, labelling and performance requirements*

JIS Z 9015-1 *Sampling procedures for inspection by attributes—Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*