ISO 22608:2021 (E)

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

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Apparatus

5.1 Apparatus and materials for contamination of test specimen
5.2 Apparatus for analysis using Method A
5.3 Apparatus and materials for analysis using Method B

6 Test specimens

7 Selection of analytical technique

8 Preparation of test apparatus and materials

8.1 Calibration of the pipettor
8.1.1 Calibration with distilled water
8.1.2 Calibration with test liquid
8.2 Preparation of test assembly
8.3 Conditioning of test specimen
8.4 Testing temperature

9 Method A

9.1 Contamination of test specimen
9.2 Calculation
9.2.1 Determination of masses of test liquid in each layer
9.2.2 Mass balance
9.2.3 Calculation of repellency, retention, and penetration

10 Method B

10.1 Verification of the amount of active ingredient in the test liquid applied
10.2 Determination of extraction efficiency
10.3 Testing of blanks
10.4 Contamination of test specimen
10.5 Extraction of test liquids
10.6 Calculation
10.6.1 Determination of the masses of active ingredient in each layer
10.6.2 Calculation of extraction efficiency
10.6.3 Calculation of repellency, retention, and penetration

11 Repeatability and reliability

12 Test report

Annex A (informative) Interlaboratory test data

Page count: 16