# DIN EN 14786:2006-07 (E)

## Protective clothing - Determination of resistance to penetration by sprayed liquid chemicals, emulsions and dispersions - Atomizer test

## Contents

Page


Foreword ..... 3

Introduction ..... 4

1 Scope ..... 5

2 Normative references ..... 5

3 Terms and definitions ..... 5

4 Principle ..... 5

5 Apparatus ..... 6
5.1 Test chamber ..... 6
5.2 Atomizer ..... 8
5.3 Motor driven syringe ..... 11
5.4 Air supply ..... 11

6 Reagents and materials ..... 11
6.1 Absorbent ..... 11
6.2 Solvent for extraction ..... 11

7 Test conditions and procedure ..... 11
7.1 General ..... 11
7.2 Preparatory tests ..... 11
7.2.1 Determination of the amount of liquid contaminating the sample area ..... 11
7.2.2 Determination of the extraction efficiency ..... 12
7.2.3 Blank test ..... 12
7.3 Preparation and conditioning of test specimens ..... 12
7.4 Test procedure ..... 12

8 Calculation of test results ..... 12

9 Test report ..... 13

Annex A (informative) Example of test ..... 14

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC ..... 16

Bibliography ..... 17