DIN EN ISO 19918:2018-03 (E)

Protective clothing - Protection against chemicals - Measurement of cumulative permeation of chemicals with lo w vapour pressure through materials (ISO 19918:2017)

Contents

Page

European foreword ... 3

Annex ZA (informative) **Relationship between this European Standard and the essential requirements of EU Directive 89/686/EEC aimed to be covered** ... 4

Foreword ... 5

Introduction ... 6

1 Scope ... 7

2 Normative references ... 7

3 Terms and definitions ... 7

4 Principle ... 9

5 Apparatus and supplies ... 9

6 Test parameters ... 10
6.1 Analytical method ... 10
6.2 Determination of extraction efficiency ... 11
6.3 Test specimens ... 11

7 Preparation of test chemical and test specimens ... 12

8 Procedure ... 12
8.1 Contamination ... 12
8.2 Extraction and analysis ... 13

9 Expression of results ... 13

10 Report ... 14

11 Precision and bias ... 14

Annex A (informative) **Schematic diagram of the permeation cell** ... 15

Annex B (normative) **Drawing and measurements of the permeation cell, washer, and bolts** ... 16

Annex C (informative) **Sources of permeation test cells, and permeation cell parts** ... 18

Annex D (informative) **Selection of gasket and pressure** ... 19

Annex E (informative) **Interlaboratory test data** ... 20

Bibliography ... 21