

INTERNATIONAL STANDARD

ISO
8194

First edition
1987-06-01



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ORGANISATION INTERNATIONALE DE NORMALISATION
МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Radiation protection — Clothing for protection against radioactive contamination — Design, selection, testing and use

*Protection contre les rayonnements — Vêtements de protection contre la contamination
radioactive — Conception, choix, essais et utilisation*

Reference number
ISO 8194:1987 (E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8194 was prepared by Technical Committee ISO/TC 85, *Nuclear energy*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Contents	Page
1 Scope and field of application	1
2 References	1
3 Definitions	1
4 Ventilated-pressurized garments	1
4.1 Classification	1
4.2 Leak-tightness	2
4.3 Manufacturing materials	2
4.4 Manufacture	2
4.5 Breathing air supply and internal ventilation	2
4.6 Sound pressure level and voice transmission	4
4.7 Protection against tritium	4
4.8 User's instructions	4
5 Unventilated-unpressurized garments	4
5.1 Manufacturing materials	4
5.2 Manufacture	5
 Annexes	
A Test method for determining the level of respiratory protection against aerosols of ventilated-pressurized garments	6
B Method for measuring leak-tightness of ventilated-pressurized garments	8
C Method for measuring air supply flow rate of ventilated-pressurized garments	10
D Internal ventilation systems	11
E Exhaust devices	12
F Selection and conditions for use of clothing for protection against radioactive contamination	13