

# **ISO TC85 WG 17**

**Title of Committee**

**“Radioactivity measurement”**

# Standards under preparation by WG17

## 1. ISO 18589

Radioactivity in the environment: soil parts 1-7  
Published

2,3, Publication shortly if not already published

4 Measurement of plutonium isotopes (plutonium 238-plutonium 239+240) by alpha spectrometry.

5 Measurement of strontium 90

6 Measurement of gross alpha and gross beta activities

7 Measurement of Radon 222 in the environment.

### **3. ISO7503**

**Measurement of radioactivity-  
Evaluation of surface contamination  
parts 1-4**

## **2. ISO 11929**

**Determination of the characteristic limits (decision threshold, detection limit, and limits of the confidence interval) for ionising radiation-fundamentals and applications**

## **4. ISO 8769**

**Reference sources for the calibration  
of surface contamination Monitors  
Alpha, beta and photon emitters.**

# ISO 7503 Measurement of radioactivity-evaluation of surface contamination:

- Part 1; Beta emitters(maximum beta energy greater than 0.15 MeV) and alpha emitters.
- Part 2: Tritium surface contamination
- Part 3: Isomeric transition and electron capture
- Emitters, low energy beta-emitters ( $E_{\beta\max} \leq 0.15$  MeV)
- Part4: Calibration System

# **ISO 8769 Reference sources for the calibration of surface contamination monitors alpha, beta and photon emitters**

## **Contents**

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**Particular consideration for reference sources emitting electrons of energy less than 0.15 MeV and photons of energy less than 1.5 MeV**