

ISO 11665-6:2020-01 (E)

Measurement of radioactivity in the environment - Air: radon-222 - Part 6: Spot measurement methods of the activity concentration

| Contents | Page |
|---|-------------|
| Foreword | iv |
| Introduction | v |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms, definitions and symbols | 1 |
| 3.1 Terms and definitions | 1 |
| 3.2 Symbols | 2 |
| 4 Principle | 2 |
| 5 Equipment | 3 |
| 6 Sampling | 3 |
| 6.1 Sampling objective | 3 |
| 6.2 Sampling characteristics | 3 |
| 6.3 Sampling conditions | 3 |
| 6.3.1 General | 3 |
| 6.3.2 Location of sampling place | 3 |
| 6.3.3 Sampling duration | 3 |
| 6.3.4 Volume of air sampled | 3 |
| 7 Detection | 4 |
| 8 Measurement | 4 |
| 8.1 Procedure | 4 |
| 8.2 Influence quantities | 4 |
| 8.3 Calibration | 4 |
| 9 Expression of results | 5 |
| 9.1 Radon activity concentration | 5 |
| 9.2 Standard uncertainty | 5 |
| 9.3 Decision threshold and detection limit | 5 |
| 9.4 Limits of the confidence interval | 5 |
| 10 Test report | 5 |
| Annex A (informative) Measurement method using scintillation cells | 7 |
| Bibliography | 13 |