# ISO 14644-17:2021-02 (E)

## Cleanrooms and associated controlled environments - Part 17: Particle deposition rate applications

## Contents

Page


**Foreword** ..... **iv**

**Introduction** ..... **v**

**1 Scope** ..... **1**

**2 Normative references** ..... **1**

**3 Terms and definitions** ..... **1**

**4 Symbols** ..... **3**

**5 Particle deposition rate methodology** ..... **4**

5.1 General ..... 4

5.2 Establishing the particle deposition rate required for control of particle deposition on vulnerable surfaces ..... 4

5.3 Particle deposition rate for demonstrating control of particle contamination ..... 5

**6 Measurement of particle deposition rate** ..... **5**

**7 Particle deposition rate level** ..... **6**

**8 Documentation** ..... **7**

**Annex A** (informative) **Measurement of particle deposition rate** ..... **8**

**Annex B** (informative) **Examples of particle deposition rate measurements** ..... **12**

**Annex C** (informative) **Measurement of the particle obscuration** ..... **16**

**Annex D** (informative) **Relationship between particle deposition rate and airborne concentration of particles** ..... **19**

**Annex E** (informative) **Assessment and control of particle deposition** ..... **20**

**Bibliography** ..... **25**