

# ISO 5647:2019 (E)

## Paper and board — Determination of titanium dioxide content

---

### Contents

|        |  |
|--------|--|
|        | Foreword   |
| 1      | Scope  |
| 2      | Normative references                                 |
| 3      | Terms and definitions                                |
| 4      | Principle  |
| 5      | Reagents   |
| 6      | Apparatus  |
| 7      | Selection of the sample                              |
| 8      | Preparation of ash solution                          |
| 9      | Reagent blank solution                               |
| 10     | Spectrophotometric procedure                         |
| 10.1   | Preparation of the calibration graph                 |
| 10.2   | Preparation of the test solutions                    |
| 10.3   | Spectrophotometric determination                     |
| 11     | Flame atomic absorption spectrophotometric procedure |
| 11.1   | Preparation of the calibration graph                 |
| 11.1.1 | Preparation of the calibration solution              |
| 11.1.2 | Adjustment of apparatus                              |
| 11.1.3 | Reagent blank determination                          |
| 11.1.4 | Spectrophotometric measurement                       |
| 11.1.5 | Plotting the calibration graph                       |
| 11.2   | Determination  |
| 11.2.1 | Preparation of test solution                         |
| 11.2.2 | Spectrophotometric measurement                       |
| 12     | Expression of results                                |
| 13     | Test report  |

Page count: 6