

ISO 9184-1:2023-01 (E)

Paper, board and pulps - Fibre furnish analysis - Part 1: General method

| Contents | Page |
|--|-------------|
| Foreword..... | iv |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 1 |
| 4 Principle | 2 |
| 5 Reagents | 2 |
| 6 Apparatus | 2 |
| 7 Preparation of the test piece | 3 |
| 7.1 General..... | 3 |
| 7.2 Ordinary samples..... | 4 |
| 7.2.1 Boiling in water..... | 4 |
| 7.2.2 Boiling in sodium hydroxide solution..... | 4 |
| 7.3 Specially treated samples..... | 4 |
| 7.3.1 General..... | 4 |
| 7.3.2 Wet-strength Papers..... | 4 |
| 7.3.3 Vegetable parchment and papers of highly beaten pulp..... | 4 |
| 7.3.4 Impregnated or specially bonded samples having chemically or physically durable inter-fibre bonds..... | 4 |
| 7.4 Coloured samples..... | 4 |
| 7.5 Multilayered samples..... | 4 |
| 8 Staining and preparation of fibre slides | 5 |
| 8.1 General..... | 5 |
| 8.2 Staining on a slide..... | 5 |
| 8.2.1 Preparation from the fibre suspension..... | 5 |
| 8.2.2 Preparation from the fibre pad..... | 5 |
| 8.3 Staining in a test tube..... | 5 |
| 9 Procedure | 6 |
| 9.1 General..... | 6 |
| 9.2 Qualitative analysis..... | 6 |
| 9.3 Quantitative analysis..... | 6 |
| 9.3.1 General..... | 6 |
| 9.3.2 Counting method..... | 6 |
| 9.3.3 Length method..... | 7 |
| 10 Calculation | 7 |
| 10.1 Qualitative analysis..... | 7 |
| 10.2 Quantitative analysis – counting method..... | 8 |
| 11 Test report | 8 |
| Annex A (informative) Weight factors | 9 |
| Bibliography | 11 |