

DIN ISO 23404:2022-02 (E)

Information and documentation - Papers and boards used for conservation - Measurement of impact of volatiles on cellulose in paper (ISO 23404:2020)

| Contents | Page |
|---|------|
| National foreword | 3 |
| National Annex NA (informative) Bibliography | 4 |
| Foreword | 5 |
| Introduction | 6 |
| 1 Scope | 7 |
| 2 Normative references | 7 |
| 3 Terms and definitions | 7 |
| 4 Principle | 8 |
| 5 Apparatus | 9 |
| 6 Preparation of apparatus | 10 |
| 6.1 Glass vials and vessels | 10 |
| 6.2 Vial storage | 10 |
| 7 Sampling | 10 |
| 8 Conditioning | 10 |
| 9 Determination of the dry matter content | 10 |
| 10 Preparation of the samples | 11 |
| 10.1 Test vial | 11 |
| 10.2 Control vial | 11 |
| 10.3 Sealing leak indicator | 11 |
| 10.4 Reference paper | 11 |
| 10.5 Vial sealing | 12 |
| 11 Procedure | 12 |
| 11.1 Number of vials | 12 |
| 11.2 Accelerated ageing | 12 |
| 11.3 Reference paper test pieces removal and reconditioning | 12 |
| 11.4 Measurements of the limiting viscosity number of reference paper test pieces | 13 |
| 12 Calculations | 13 |
| 12.1 Calculation of viscosity-average degree of polymerization (DP_v) of the reference paper test pieces | 13 |
| 12.2 Test validation | 13 |
| 12.2.1 Validation of the control | 13 |
| 12.2.2 Validation of the test | 14 |
| 12.3 Expression of results | 14 |
| 13 Report | 14 |
| Bibliography | 15 |