

# ISO 11556 :2005-06 (E)

## Paper and board\_ - Determination of curl using a single vertically suspended test piece

---

### Contents

Page

|  |    |
|--|----|
| Foreword.....  | iv |
| Introduction .....   | v  |
| 1 Scope .....  | 1  |
| 2 Normative references .....   | 1  |
| 3 Terms and definitions.....   | 1  |
| 4 Principle.....   | 2  |
| 5 Apparatus .....  | 3  |
| 6 Sampling.....  | 3  |
| 7 Preparation of test pieces.....  | 3  |
| 8 Procedure .....  | 3  |
| 8.1 General information.....   | 3  |
| 8.2 Method .....   | 4  |
| 8.2.1 Exposing the test pieces to the test environment.....  | 4  |
| 8.2.2 Measurement of chord length and chord-to-arc distance .....  | 4  |
| 8.2.3 Identification of the side towards which the paper or board curls.....   | 4  |
| 8.2.4 Measurement of the angle of axis of curl.....  | 4  |
| 9 Calculations.....  | 5  |
| 9.1 Magnitude of curl.....   | 5  |
| 9.2 Angle of curl axis.....  | 5  |
| 9.3 Variation in side towards which paper or board curls.....  | 5  |
| 10 Repeatability and reproducibility .....   | 5  |
| 10.1 Repeatability .....   | 5  |
| 10.2 Reproducibility .....   | 6  |
| 11 Test report .....   | 6  |
| Annex A (informative) Illustrations of magnitude and types of curl .....   | 7  |
| Annex B (normative) Method of test piece support during curl measurement (illustrated for circular test pieces) .....                | 9  |
| Annex C (normative) Modified engineer's vernier calliper for determining chord length ( $C$ ) and chord-to-arc distance ( $h$ )..... | 10 |
| Annex D (informative) Examples of alternative curl calculations .....  | 11 |
| Bibliography .....   | 12 |