

ISO 4802-1:2010-04 (E)

Glassware - Hydrolytic resistance of the interior surfaces of glass containers - Part 1: Determination by titration method and classification

| Contents | | Page |
|--------------------|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 2 |
| 4 | Principle | 4 |
| 5 | Reagents | 4 |
| 6 | Apparatus | 4 |
| 7 | Sample preparation | 5 |
| 7.1 | Sample size | 5 |
| 7.2 | Determination of the filling volume | 6 |
| 8 | Procedure | 7 |
| 8.1 | General | 7 |
| 8.2 | Cleaning of samples | 7 |
| 8.3 | Filling and heating | 8 |
| 8.4 | Analysis of the extraction solutions | 8 |
| 8.5 | Testing to determine whether the containers have been surface treated | 9 |
| 9 | Expression of results | 9 |
| 9.1 | Calculation | 9 |
| 9.2 | Classification | 9 |
| 9.3 | Distinction between containers of hydrolytic resistance container class HCT 1 and hydrolytic resistance container class HCT 2 | 9 |
| 9.4 | Designation | 10 |
| 10 | Test report | 10 |
| 11 | Reproducibility | 11 |
| Bibliography | | 12 |