

ISO 17293-1:2014-04 (E)

Surface active agents - Determination of chloroacetic acid (chloroacetate) in surfactants - Part 1: HPLC method

| Contents | | Page |
|--|---|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Principle | 1 |
| 4 | Reagents | 1 |
| 4.1 | General | 1 |
| 5 | Apparatus | 2 |
| 6 | Procedures | 2 |
| 6.1 | HPLC conditions | 2 |
| 6.2 | Calibration | 3 |
| 6.3 | Sampling and analysis | 3 |
| 7 | Results and calculation | 3 |
| 7.1 | General | 3 |
| 7.2 | The content of monochloroacetic acid | 4 |
| 7.3 | The content of dichloroacetic acid | 4 |
| 8 | Precision | 4 |
| 8.1 | Repeatability limit | 4 |
| 8.2 | Reproducibility limit | 4 |
| 9 | Test report | 4 |
| Annex A (informative) Preliminary treatment of betaine sample | | 6 |
| Annex B (informative) Typical chromatogram | | 8 |