

Contents

| | |
|--------|---|
| | Foreword |
| 1 | Scope |
| 2 | Normative references |
| 3 | Terms and definitions |
| 4 | Principle |
| 5 | Apparatus |
| 5.1 | Eluent supply |
| 5.2 | Pump |
| 5.3 | Injection system |
| 5.4 | Separation columns |
| 5.5 | Column temperature control |
| 5.6 | Detector |
| 6 | Reagents |
| 7 | Calibration of the apparatus |
| 7.1 | General |
| 7.2 | Specification for the calibration standard |
| 7.3 | Preparation of the calibration solutions for injection |
| 7.4 | Conditions for calibration runs |
| 7.5 | Measurement of elution volume |
| 7.6 | Plotting the calibration curve |
| 8 | Sampling |
| 9 | Preparation for the test |
| 9.1 | Preparation of the injection solution |
| 9.2 | Preparation of the apparatus |
| 10 | Analytical parameters |
| 11 | Data acquisition and evaluation |
| 11.1 | General |
| 11.2 | Calculation of the net chromatogram from the raw data |
| 11.2.1 | Determination of the baseline |
| 11.2.2 | Correction of the measured values and of the net chromatogram |
| 11.2.3 | Evaluation limits |
| 11.3 | Calculation of the average values |
| 11.4 | Calculation of the distribution curves |
| 12 | Precision |
| 12.1 | General |
| 12.2 | Repeatability |
| 12.3 | Reproducibility |
| 13 | Test report |
| 13.1 | General |
| 13.2 | General data on the equipment and settings |
| 13.2.1 | Data on the equipment used |

- 13.2.2 Calibration
- 13.2.3 Evaluation
- 13.3 Special data on the sample

Annex A (informative) Conversion of experimental parameters for variant column sizes

Annex B (informative) Example of a data sheet for a polymer standard

Annex C (informative) Explanations

Page count: 23