

ISO 37306:2025-12 (E)

Liquid petroleum products - Determination of distillation characteristics at atmospheric pressure - Micro-distillation

Contents		Page
Foreword.....		iv
Introduction.....		v
1 Scope.....		1
2 Normative references.....		1
3 Terms and definitions.....		1
4 Principle.....		3
5 Reagents and materials.....		3
6 Apparatus.....		3
6.1 Micro distillation unit.....		3
6.2 Barometer for calibration.....		4
6.3 Sampling device.....		4
6.4 Waste beaker.....		4
7 Sampling.....		4
8 Apparatus preparation.....		5
9 Calibration, verification and quality control.....		5
9.1 General.....		5
9.2 Calibration.....		5
9.2.1 General.....		5
9.2.2 Temperature measurement system.....		5
9.2.3 Ambient pressure measuring device.....		5
9.2.4 Differential pressure measuring device.....		5
9.3 Instrument verification.....		5
10 Procedure.....		6
11 Calculation.....		7
12 Expression of results.....		7
13 Precision.....		7
13.1 General.....		7
13.2 Repeatability, <i>r</i>		8
13.3 Reproducibility, <i>R</i>		9
13.4 Bias.....		9
13.5 Relative bias.....		10
13.6 Repeatability and reproducibility for FAME.....		10
13.7 Relative bias for FAME.....		11
14 Test report.....		11
Annex A (normative) Micro distillation apparatus		12
Annex B (normative) Precision of the volume per cent evaporated or recovered at a prescribed temperature		16
Annex C (informative) Typical samples		17
Bibliography		18