

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