

ISO 12185:2024-03 (E)

Crude petroleum, petroleum products and related products - Determination of density - Laboratory density meter with an oscillating U-tube sensor

Contents		Page
	Foreword.....	iv
	Introduction.....	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	3
5	Apparatus	3
	5.1 Density meter.....	3
	5.2 Homogenizer.....	3
	5.3 Constant-temperature bath.....	3
6	Reagents and materials	3
	6.1 Flushing solvent.....	3
	6.2 Adjustment liquids.....	4
7	Sampling	4
8	Sample preparation	5
9	Apparatus preparation	5
	9.1 Test temperature.....	5
	9.2 Cell cleaning.....	5
	9.3 Meter verification and adjustment.....	6
	9.4 Meter calibration.....	6
	9.5 Quality control checks.....	6
10	Test procedure	6
11	Calculation	7
12	Test report	7
13	Precision	7
	13.1 Repeatability, <i>r</i>	7
	13.2 Reproducibility, <i>R</i>	8
	Annex A (informative) Meter calibration	9
	Bibliography	11