

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