

DENSITY AND VISCOSITY LABORATORY

Introduction

Density and Viscosity Laboratory is a section in the Metrology Services Department of KEBS and is the national custodian for the units of Density and Viscosity. The laboratory provides measurement traceability to the International System (SI) units and offers calibration services as well as practical training in the field of density and viscosity.

The laboratory operates a quality management system based on ISO/IEC 17025 – General requirements for the competence of calibration and testing laboratories.

The laboratory is equipped with standard equipment and qualified personnel to carry out its services.

KEBS Calibration Services Offered (Force, Torque and Hardness)

Measured quantity / Calibration item	Range		
Kinematic Viscosity/ Newtonian Liquid	1 mm ² /s	to	10,000 mm ² /s
Density / Liquid	0.6500 g/ml	to	1.8500 g/ml
Density Hydrometer	0.6000g/ml	to	2.0000g/ml
Density Meter	0.6500g/ml	to	2.0000g/ml
Rotary Viscometer	5mPas	to	3,000mPas
Flow Cup	10mm ² /s	to	2000mm ² /s
Refractometer	0 °Brix	to	65 °Brix
Viscometer Constant/Glass Capillary Viscometer	0.1mm ² /s ²	to	5mm ² /s ²

Contact

Head of Section – Density and Viscosity Laboratory
KEBS HQ, Popo Road, off Mombasa Road, Nairobi.
Email: info.metrology@kebs.org

