

MASS LABORATORY

Introduction

Mass Laboratory is a Section in the Metrology Services Department of the Kenya Bureau of Standards that maintains custody of the National Prototype kilogram (Serial No. 95) and provides measurement traceability to the International System (SI) unit of mass, the kilogram (kg). To realize, maintain and disseminate the SI unit of mass (within acceptable uncertainties), the Laboratory uses both in-house developed and standard calibration methods, and operates a quality management system hinged on the principles of ISO/IEC 17025 – *General requirements for the competence of calibration and testing laboratories*.

Our Mass Metrology working team comprises of highly motivated and qualified scientists and engineers, who professionally performs calibration services, conducts relevant research and development activities, and offers nationwide/ regional consultancy, advisory and technical expertise on mass measurements. In a bid to support the local and international mass measurement system needs, KEBS Mass Laboratory actively collaborates with various key stakeholders on various mass-related projects and best measurement practices (e.g., Inter-laboratory comparison activities). The laboratory also offers beginner and advanced training courses on calibration of mass standards, weighing instruments and moisture measuring instruments.

KEBS Calibration Services Offered

Equipment		Range Covered
Mass standards	Mass calibration (Class E, F and M weights)	1 mg to 20 kg
	Solid density determination (Class E and F weights)	10 g to 20 kg
Dead weights	Mass calibration	Up to 20 kg
Weighing instruments (e.g., analytical balances, adult/ baby weighing scales, grammage scales, spring balances, platform balances, batching plants, etc.)		Up to 3000 kg
Moisture measuring instruments (e.g., moisture analyzers, moisture balances, moisture meters, etc.)		-

Contact

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

