

CERTIFICATE OF ACCREDITATION

**KENYA BUREAU OF STANDARDS
KENYA BUREAU OF STANDARDS TESTING
SERVICES DEPARTMENT**

Facility Accreditation Number: **T0718**

is a South African National Accreditation System accredited facility
provided that all conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation,
Annexure "A", bearing the above accreditation number for

MECHANICAL TESTING

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2017

The accreditation demonstrates technical competency for a defined scope and the operation of a
quality management system

While this certificate remains valid, the Accredited Facility named above is authorised to
use the relevant accreditation symbol to issue facility reports and/or certificates

**Mr R Josias
Chief Executive Officer**

**Effective Date: 19 January 2022
Certificate Expires: 18 January 2027**

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0718**

Permanent Address of Laboratory:

KENYA BUREAU OF STANDARDS TESTING
SERVICES DEPARTMENT
Popo Road off Mombasa Road
Behind Belle Vue Cinema
Nairobi
Kenya
.

Technical Signatories:

Ms R Abiah (Electrical)
Mr E Katam (Textiles)
Mr GI Khamasi (Textiles)
Ms L Orwenyo (Polymers)
Mr BO Aluoch (Civil)
Mr NM Njoroge (Civil)
Mr CM Munene (Metals)
Ms VM Mutio (Metals)
Mr JK Sang (Metals)
Mr M Oganga (Electrical)
Mr A Owino (Electrical)
Ms J Ndiritu (Electrical)
Ms T Orwa (Polymer)
Mr C Kibet (Polymer)
Ms S Ngovi (Polymer)
Ms J Kihoro (Textiles)
Mr J Kasuvo (Textiles)

Postal Address:

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Kenya
.

Nominated Representative:

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Issue No.: 11

Date of Issue: 12 December 2023

Expiry Date: 18 January 2027

Material or Products Tested	Type of Tests/ Property measured, Range of measurement	Standard Specifications, Techniques / Equipment Used
TEXTILES	Mass per unit area of fabrics	ISO 3801:1977
	Tear force of fabrics-Elmendorf method	ISO 13937-1:2000
	Colour fastness to perspiration	ISO 105-E04:2013
	Colour fastness to washing	ISO 105-C10:2006
	Breaking strength-strip method	ISO 13934-1:2013
	Bursting strength-pneumatic method	ISO 13938-2:2019
	Linear density of strands	ISO 2060:1994
	Tear force of fabrics-tongue method	ISO 13937-4:2000

Threads/CM	ISO 7211-2:1984
Tensile Strength-Grab test	ISO 13934-2:2014
Colour fastness to dry cleaning	ISO 105-D01:2010

METALS

Tensile test (Room Temperature 0-1000 kN), percentage elongation, proof strength	TES/MEC/TM/03 in compliance to ISO 6892-1
Brinell hardness tester	TES/MEC/TM/07 in compliance to ISO 6506-1
Vickers Hardness Test	TES/MEC/TM/05 in compliance to ISO 6507-1
Rockwell Hardness Test	TES/MEC/TM/06 in compliance to ISO 6508-1

POLYMERS

Determination of Coefficient of Retroreflection in reflective materials using photometry	TES/POL/TM/01
Determination of holes in male condoms using water leak or electrical tests	KS_ISO4074:2015 Annex M
Determination of grammage of paper and boards using gravimetry	TES/POL/TM/03
Determination of moisture in Paper and Boards	TES/POL/TM/04
Determination of resistance to abrasion in elastomers by rubbing	TES/POL/TM/05
Determination of volatile matter (extractables) and non-volatile matter (solids) using gravimetry	TES/POL/TM/06
Determination for density of plastics and elastomers by hydrostatic weighing	TES/POL/TM/07
Determination of tolerance on nominal capacity for hypodermic syringes	TES/POL/TM/08
Determination of bursting volume and bursting pressure of male condoms	KS_ISO4074:2015 Annex H
Determination of lubricant amount in male condoms using isopropyl/isopropan-2-ol	KS_ISO4074:2015 Annex C
Determination of tensile properties in rubber, leather and paper. Tensile properties include strength and elongation	TES/POL/TM/19

ELECTRICAL

Resistance to heat, electrical accessories and appliances	TES/ELE/TM/01
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Initial life, dry cell batteries	TES/ELE/TM/02
Rated capacity of batteries	TES/ELE/TM/04
Cranking performance test on car batteries	TES/ELE/TM/05
Conductor resistance	TES/ELE/TM/06
Temperature rise on electric switches	TES/ELE/TM/07
Dielectric strength	TES/ELE/TM/08
Comparative tracking index	TES/ELE/TM/09
Earthing Resistance	TES/ELE/TM/10

CIVIL

Compressive strength of concrete cubes	TES/MEC/TM/08
Compressive strength of cement	TES/MEC/TM/09
Compressive strength burnt clay blocks and bricks	TES/MEC/TM/10
Compressive strength of pre-cast masonry units	TES/MEC/TM/11
Compressive strength of stabilised soil blocks	TES/MEC/TM/12
Compressive strength paving blocks	TES/MEC/TM/14
Water absorption of clay building blocks	TES/MEC/TM/15
Water absorption of pre-cast masonry units	TES/MEC/TM/16
Water absorption of natural building stones	TES/MEC/TM/17

Original Date of Accreditation: 19 January 2017

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager