

CERTIFICATE OF ACCREDITATION

TANZANIA BUREAU OF STANDARDS - MECHANICAL ENGINEERING LABORATORY

Established by Standards Act No.3 of 1975

Facility Accreditation Number: TEST-6 0003

is a SADCAS accredited Testing Laboratory
provided that all SADCAS conditions are complied with

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

MECHANICAL ENGINEERING

The facility is accredited in accordance with the recognized International Standard

ISO/IEC 17025:2017

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

*SADCAS is a subsidiarity organization of SADC. A memorandum of understanding between SADC and
SADCAS serves as the basis for the recognition of SADCAS by SADC Member States
as a multi-economy accreditation body*

Mrs Maureen P Mutasa
SADCAS Chief Executive Officer

Date of renewal of accreditation: 30 May 2021
Effective Date (Issue No: 1): 30 May 2021
Certificate Expires: 29 May 2026

ANNEXURE A

SCHEDULE OF ACCREDITATION

MECHANICAL ENGINEERING

Laboratory Accreditation Number: **TEST-6 0003 (ISO/IEC 17025:2017)**

<p><u>Permanent Address of Laboratory</u> Tanzania Bureau of Standards Mechanical Engineering Laboratory Junction of Morogoro/Sam Nujoma Roads Ubungo Dar es Salaam Tanzania</p> <p><u>Postal Address</u> P O Box 9524 Dar es Salaam Tanzania</p> <p><u>Tel</u> : +255 22 245 0298 <u>Cell</u> : +255 76 683 6653 <u>Fax</u> : +255 22 245 0959 <u>Email</u> : joseph.makene@tbs.go.tz</p>		<p><u>Technical Signatories</u> :</p> <p>Mr P D Mpalanzi (All methods) Mr R S Shija (All methods) Mr G G Mandalu (All methods) Mr H M Hamim (All methods) Mr D M Rububi (All methods) Mr S J Selemani (All methods) Mr A L Athumani (All methods except, Vickers & Brinell) Mr J L Yenda (All methods except, Vickers & Brinell) Mr G Nguka (All methods except, Vickers & Brinell)</p> <p><u>Nominated Representative</u> : Mr J Makene</p> <p><u>Issue No</u> : 02 <u>Date of Issue</u> : 05 June 2023 <u>Expiry Date</u> : 29 May 2026</p>
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Metallic Materials	<p>Rockwell Hardness Test</p> <p>Vickers Hardness Test</p> <p>Brinell Hardness Test</p> <p>Tensile Test at Room Temperature</p> <p>Laboratory Spectrograph Chemical Analysis for the determination of C, Mn, P, S, Cu, Ni, Cr, Mo, Nb, V, Ti, Al, B, Si, Sn, Ca, Zr, Sb, Pb and N</p>	<p>ISO 6508-1:2016 using Rockwell Hardness Tester</p> <p>ISO 6507-1:2018 using Vickers Hardness Tester</p> <p>ISO 6506-1:2014 Using Brinell Hardness Tester</p> <p>ISO 6892-1: 2019 using Tensile Tester</p> <p>ASTM E415:2021 Using Optical Emission Spectrometer</p>

Original date of accreditation: 30 August 2019

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Pinkie J Malebe
SADCAS Technical Manager