

ANNEXURE A
SCHEDULE OF ACCREDITATION

Facility Number: **T0580**

Permanent Address of Laboratory:

Metallurgical Testing Labs (Pty) Ltd
 27 Grader Road
 Spartan
 Kempton Park
 1619

Postal Address:

PO Box 2376
 Edenvale
 1610

Tel: (011) 452 4541

Fax: (011) 452 4621

E-mail: graham@mtlabs.co.za

Technical Signatories:

Mr M Tudor (Excluding NDT)
 Mr GJ Knight (Excluding UT)
 Mr M Lemmer (Excluding NDT)
 Mr M Mathebula (Excluding NDT)
 Mr JI Lumbu (Excluding NDT)
 Mr A Buss
 Mr S Stapelberg (Excluding NDT)

Nominated Representative:

Mr GJ Knight

Issue No.: 11
Date of Issue: 04 December 2022
Expiry Date: 03 December 2027

Materials / Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
-----------------------------	---	--

MECHANICAL(Lab &Onsite)

Ferrous and Non-Ferrous Materials

Tensile Testing up to 1000kN

Upper Yield, 0.2%, 0.5%, 1.0% proof stress U.T.S Elongation

Mech001, Mech012, Mech001.2 in accordance with ASTM E8/E8M, BS EN ISO 6892-1 Method A & B, BS EN 10002-1, SANS 6269, DVS 1 – 837

Elevated/ Hot Tensile up to 1000 C

Mech001.1 in accordance with BS EN 10002-5, ASTM E21

Flattening Flaring Testing

Mech004 in accordance with ASTM A450 & ASTM A530 & BS EN 10216

Bend Test

Mech004 in accordance with ASME IX: AWS D1.1 EN ISO 15614-1. SANS 15614-2: ASTM E290, ISO 14555

Hardness Testing

Brinell

Hard001 in accordance with ASTM E10 BS EN ISO 6506-1

Vickers

Hard001 in accordance with ASTM E92, ASTM E384, BS EN ISO 6507-1

Impact Testing

Mech002 in accordance with SANS 148-1 ASTM E23, ASTM A370, BS EN 10045-1

CHEMICAL(Lab& Onsite)

Ferrous and Non-Ferrous Metals	Spectrographic Analysis including Nitrogen	Chem001 in accordance with ASTM E415 & OES
--------------------------------	--	--

METALLURGICAL

Ferrous and Non-Ferrous Materials	Grainsize and Microstructural determination	Met006, Met011, Met 014
	Grain size determination	Met005 in Accordance with ASTM E112 ISO 643 ASTM E3 ASTM E407
	Inclusion content	Met004 in accordance with ASTM E45
	Macro Examination	Met001 and Met003 in accordance with BS EN ISO 5817, ASME IX, AWS D1.1, AWS D1.6

Non Destructive Testing Ferrous and non ferrous Metals (Lab & Onsite)

Radiographic Testing (RT)	ASME V Article 2 & Article 22 AWS D1.1 & AWS D1.6 ISO 17636-1 In-house method: NDT RT ASME V NDT RT BS EN
Magnetic Particle Inspection (MT)	ASME V Article 7 AWS D1.1 & AWS D1.6 ISO 17638 API 650 & API 1104 In-house method: NDT MPI ASME V NDT MPI BS EN
Dye Penetrant Testing (PT)	ASME V Article 6 & Article 24 AWS D1.1 & AWS D1.6 ISO 3452 API 650 & API 1104 In-house method: NDT PT ASME V NDT PT BS EN
Ultrasonic Testing (UT)	ASME V Article 4 & Article 23 AWS D1.1 & AWS D1.6 & BS EN ISO 17640 In-house method: NDT UT ASME V NDT UT BS EN ISO

Original Date of Accreditation: 04 December 2012

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



Accreditation Manager