



CERTIFICATE OF ACCREDITATION

In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

**FRANKTECH METALLURGICAL SERVICES
A Division of
FRANKWEN FORGE (PTY) LTD**

Co. Reg. No.: 1971/010346/07

Facility Accreditation Number: T0244

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 AND PHYSICAL TESTING

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2005

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: 30 December 2016
Certificate Expires: 29 December 2021



ANNEXURE A SCHEDULE OF ACCREDITATION

Facility Number: **T0244**

Permanent Address of Laboratory:

Franktech Metallurgical Service, A Division of Frankwen Forge (Pty) Ltd
No. 43 Liverpool Rd
Benoni South
Benoni

Technical Signatories:

Mr JD Henning
Mr R Pollhammer
Mr JB Mohr (Excluding Corrosion Testing)
Mr B Maluleke

Postal Address:

PO Box 5167
Benoni South
1502

Nominated Representative:

Mr B Gouws

Tel: (011) 746 9200

Issue No.: 12

Fax: (011) 749 0680

Date of Issue: 03 August 2018

E-mail: buddyg@frankwenforge.co.za

Expiry Date: 29 December 2021

Materials / Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
Metallic Materials	<p>Tensile Testing:</p> <p>Ultimate tensile strength 0.2 % Proof stress Reduction of area Percentage Elongation Hot tensile testing up to 600°C</p> <p>Impact Testing</p> <p>Joules absorbed (-40°C to room temperature) Lateral expansion Percentage shear</p> <p>Hardness Testing:</p> <p>Brinell (3 000 kg)</p> <p>Vickers (10 kg) (30 kg)</p>	<p>ASTM E8 ISO 6892-1</p> <p>ASTM E23 ISO 148-1</p> <p>ASTM E10 BS EN ISO 6506-1</p> <p>ASTM E92-82-03 BS EN ISO 6507-1</p>
Welded Test Plates	Bend Testing:	<p>ASME 1X AWS D1. 1-1.6 BS EN ISO 15614 ASTM E290</p>
Stainless Steel Samples	Corrosion Testing:	<p>ASTM A923-06 method A and C (MCP06)</p>

ASTM A262-02aE1 Practice E
(MCP 06)

ASTM A262-02aE1 Practice C
(MCP 22)

**Low/High Alloy and Stainless
Steel Samples**

Grain Size Testing:

ASTM E112-96E
(Chart Comparison Method)

Original Date of Accreditation: 01 December 2006

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



Accreditation Manager

