



## 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 17025:2017**

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 T Baleni**

**Acting Chief Executive Officer**

**Effective Date: 30 December 2021  
Certificate Expires: 29 December 2026**



ANNEXURE A  
**SCHEDULE OF ACCREDITATION**

Facility Number: **T0244**

**Permanent Address of Laboratory:**

Franktech Metallurgical Services  
 A Division of Frankwen Forge (Pty) Ltd  
 No. 43 Liverpool Rd  
 Benoni South  
 Benoni  
 1502

**Postal Address:**

PO Box 5167  
 Benoni South  
 1502

**Tel:** (011) 746 9200

**Fax:** (011) 749 0680

**E-mail:** Graham@mtlabs.co.za

**Technical Signatories:**

Mr R Pollhammer  
 Ms N Mothlajoe  
 Mr G Knight  
 Mr G Molehane (Excluding Corrosion)

**Nominated Representative:**

Mr G Knight

**Issue No.:** 17

**Date of Issue:** 30 December 2021

**Expiry Date:** 29 December 2026

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

**Tensile Testing:**

Ultimate tensile strength	ASTM E8
0.2 % Proof stress	ISO 6892-1
Reduction of area	
Percentage Elongation	
Hot tensile testing up to 600°C	

**Impact Testing**

Joules absorbed (-40°C to room temperature)	ASTM E23
Lateral expansion	ISO 148-1
Percentage shear	

**Hardness Testing:**

Brinell (3 000 kg)	ASTM E10 BS EN ISO 6506-1
Vickers (10 kg) (30 kg)	ASTM E92-82-03 BS EN ISO 6507-1

**Welded Test Plates**

**Bend Testing:**

ASME 1X  
 AWS D1. 1-1.6  
 BS EN ISO 15614  
 ASTM E290

**Stainless Steel Samples**

**Corrosion Testing:**

ASTM A923-06 method A and C  
(MCP06)

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)

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Original Date of Accreditation: 01 December 2006

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



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**Accreditation Manager**

