



## 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:-*

**DEKRA INDUSTRIAL RSA (PTY) LTD**

**Co. Reg. No.: 1996/016737/07**

**MATERIAL TESTING LABORATORY**

Facility Accreditation Number: **T0834**

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, METALLURGICAL AND CHEMICAL 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 M Phaloane**

**Acting Chief Executive Officer**

**Effective Date: 19 October 2020**

**Certificate Expires: 13 February 2023**



ANNEXURE A

**SCHEDULE OF ACCREDITATION**

Facility Number: **T0834**

**Permanent Address of Laboratory:**

Dekra Industrial RSA (Pty) Ltd  
 Thos Begbie & A Co  
 Cnr Tswelopele Street & Hendrina Road  
 Middleburg  
 1055

**Postal Address:**

PO Box 96  
 Middleburg  
 1055

**Tel:** (013) 243 3177

**Fax:** 086 621 8185

**E-mail:** johan.loots@dekra.com

**Technical Signatories:**

Mr G von dem Bongart  
 Mr R Storbeck (excl Impact & Rockwell  
 hardness testing)

**Nominated Representative:**

Mr J Loots

**Issue No.:** 02

**Date of Issue:** 19 October 2020

**Expiry Date:** 13 February 2023

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

**MECHANICAL**

**Metallic Materials**

**Tensile Testing**

At room temperature	WP 01
Tensile testing up to 300 kN	ASTM E8
Determination of tensile strength	ASME IX
Yield strength (upper and lower)	ISO 6892
Yield point elongation, 0.2% proof stress, 0.5% proof stress and elongation	ISO 4136 AWSD1.1 AWS D1.6 ASTM A370

**Impact Testing**

Room temperature to -50	WP 02
Determination of absorbed energy	ASTM E23 ISO 148-1 up to 450J

**Hardness Testing**

Vickers Hardness	WP 04 E384 ASTM 140 ISO 9015-1,2 ISO 6507-1
Rockwell Hardness	ASTM E18

**Bend Testing**

Determination of fusion strength between parent material and weld material  
WP 03  
ASME IX  
AWS D1.1  
ASTM E190  
BS EN ISO 5173

**Metallurgical**

Fracture testing  
WP 10  
ISO 9017:2001  
ASME IX 2015

**Macro Examination**

Macro examination of welds in accordance  
WP 09  
ASME IX  
AWS D1.1  
AWS D1.6 & BS EN ISO 17639

**Chemical**

Positive material identification (XRF) using Bruker hand-held  
WP 12  
ASTM E572

---

Original Date of Accreditation: 14 February 2018

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



---

**Accreditation Manager**