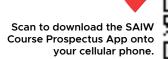


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## South African Institute of Welding Course Prospectus 2025

## MATERIAL TESTING Laboratory

Services	Equipment
Mechanical testing	
Tensile & Bend testing	MTS Criterion 64.305 (300 kN)
Charpy V notch impact testing	450 joule SANS Charpy impact test machine
Vickers Hardness Testing	emcoTEST Durascan 70 (10 grams to 10 kg load)
Chemical Testing	
Spectrophic Analysis	Bruker Q2 Ion spectrometer
X-Ray fluorescence analysis (XRF)	Bruker S1 Titan XRF analyser
Metallurgical Testing	Non-Destructive Testing
Microstructural Evaluation	Visual Examination
Macrostructural Evaluation	Radiographic Testing
	Liquid Penetrant Testing
	Magnetic Particle Testing



The SAIW material testing laboratory, **laboratory number TO693**, is accredited by SANAS to comply with ISO 17025.

The SAIW material testing laboratory is managed by a team of qualified and experienced metallurgists.



For more information, please contact the administrator on mat.lab@saiw.co.za or on 011 298 2104

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