

ANNEXURE A
SCHEDULE OF ACCREDITATION

Facility Number: **T0013**

Permanent Address of Laboratory:

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Technical Signatories:

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Material or Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
SPECTROCHEMICAL		
Stainless Steel	Determination of Co, Cr, Cu, Mn, Mo, Nb, Ni, P, S, Si, V, Ti by XRF Spectroscopy	ILB-TEST-219
	Determination of Al, B, Sn, C, N, Spark Emission Spectroscopy	ILB-TEST-219
	Determination of C by Leco	ILB-TEST-221
	Determination of N by Leco	ILB-TEST-222
High Carbon Ferrochromium	Determination of C and by Leco	ILB-TEST-221
CHEMICAL		
High Carbon Ferrochromium	Determination of Al ₂ O ₃ , Fe, Mn, Si by ICP	WLB-TEST-205
	Determination of Cr by Titration	WLB-TEST-207

Process/boiler effluent and Pollution	Determination of Chemical Oxygen Demand (COD)	WLB-TEST-009
	Determination of Conductivity by Autotitration	WLB-TEST-311
	Determination of pH by Autotitration	WLB-TEST-313
Control Water	Determination of Fluoride by Autotitration	WLB-TEST-312
	Determination of Cr, Mn, Na, Mg by ICP	WLB-TEST-016
	Determination of Cl, NO ₃ , PO ₄ and SO ₄ by Ion Chromatography	WLB-TEST-310
	Determination of the following using Aquakem:	
	NO ₂	WLB-TEST-337 - NO ₂
	NO ₃	WLB-TEST-336 - NO ₃ /NO ₂
	Cr ⁶⁺	WLB-TEST-341 - Cr ⁶⁺
	SO ₄	WLB-TEST-335 - SO ₄
PO ₄	WLB-TEST-340 - PO ₄	
Cl using Aquakem	WLB-TEST-334 - Cl	

MECHANICAL

Metallic materials Austenitic & Ferritic	Tensile Testing (up to 250KN) (At ambient temperature) (At elevated temperature to 200°C) 0,2% Proof Stress 1,0% Proof Stress UTS Elongation	ISO 6892-1, ASTM E8 M ISO 6892-2, ASTM E21
	Impact Charpy (up to 406J)	ISO 148-1, ASTM E23
	Hardness Testing (Laboratory)	
	Vickers method	ISO 6507-1, ASTM E384
	Rockwell method	ISO 6508-1, ASTM E18

METALLURGICAL

Metallic material	Grain Size & Microstructure	ASTM E112 (comparison method)
	Inter-granular corrosion test-Austenitic Inter-granular corrosion test-Ferritic	ASTM A262 (practice A & E)
Austenitic, ferritic & Duplex Stainless Steels	Detrimental Intermetallic Phase in Duplex	ASTM A763 (practice W & Z) ASTM A923

Original Date of Accreditation: 01 November 1992

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



Accreditation Manager