

## National Laboratory Association Proficiency Testing and Inter-Laboratory Comparison Scheme Offerings

Scheme I/D	Scheme Name	Measurement Field/sub-field	Measurement Detail	Price		Additional Information
				NLA Member	Non Member	
PTS001	Water Micro	Microbiology for water quality testing	<ul style="list-style-type: none"> <li>• Heterothropic plate count</li> <li>• Total coliforms</li> <li>• Faecal coliforms</li> <li>• <i>E coli</i></li> </ul> <p><i>Additional for Rounds 2, 4 and 6</i></p> <ul style="list-style-type: none"> <li>• Pseudomonas</li> <li>• Faecal streptococci</li> <li>• Enterococcus</li> <li>• Clostridia</li> </ul>	R9590 (6 rounds)	R11500 (6 rounds)	
PTS002	Food Micro	Non-pathogen tests:  Pathogen tests:	<ul style="list-style-type: none"> <li>• Bacillus cereus, Coliforms, E. coli, Lactic acid bacteria, Thermotolerant (faecal) coliforms, Plate count, Yeasts and Moulds.</li> <li>• Clostridium perfringens, Coagulase positive Staphylococcus, E coli 0157, Enterococcus, Listeria, Salmonella</li> </ul>	R9990 (4 Rounds)	R11990 (4 Rounds)	
PTS003	Food Chem	Nutritional Panel,	<ul style="list-style-type: none"> <li>• Protein, fat, ash, moisture,</li> </ul>	<b>TBC</b>	<b>TBC</b>	

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		Allergens & Preservative Analyses for Food Chemistry	sugars, salt, energy, fibre • Soy, gluten, egg, peanut • Sorbate, benzoate • pH	(per round)	(per Round)	
PTS004	Pesticide Formulations	Active Ingredient & Physical Tests	To be confirmed	R5050 (4 Rounds)	R6070 (4 Rounds)	
PTS005	Matcivils	<b>Soil Testing – “Indicator Tests”</b>	TMH1 Methods A1(a), A2, A3, A4 and A5	<b>TBC</b>	<b>TBC</b>	
ILC101	High Accuracy Digital Multimeter	<b>dc Low Frequency</b> dcV: up to 1000 V acV: up to 1000 V 40 Hz to 100 kHz dcl: up to 2 A acl: up to 2 A, 5 kHz R: 1 Ω to 100 MΩ Freq: 10 Hz to 100 kHz	<b>dc Voltage:</b> 1 V; 10 V; 100 V; 1000 V <b>ac Voltage:</b> 100 mV, 40 Hz, 1 kHz, 10 kHz, 100 kHz; 1 V, 40 Hz, 1 kHz, 100 kHz; 10 V 40 Hz, 1 kHz, 100 kHz; 750 V, 40 Hz, 10 kHz <b>dc Current:</b> 10 mA; 100 mA; 1 A; 2 A <b>ac Current:</b> 1 A, 40 Hz, 5 kHz; 2 A 40 Hz, 5 kHz <b>Resistance (4-Wire):</b> 1 Ω; 10 Ω; 100 Ω; 1 kΩ; 10 kΩ; 100 kΩ; 1 MΩ; 10 MΩ; 100 MΩ	R2420,00	R2785,00	HP34401A DMM NLA PT005 ILC_P_01

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			<b>Frequency:</b> 10 Hz; 100 Hz; 1 kHz; 10 kHz; 100 kHz			
ILC102	Fixed Resistance in Air	<b>dc Low Frequency</b> Resistance	<b>Resistors:</b> 1 $\Omega$ ; 10 $\Omega$ ; 10 k $\Omega$ ; 100 k $\Omega$	R1320,00	R1520,00	Audit Resistors NLA PT003 ILC_P_03
ILC103	Current Clamp Meter	<b>dc Low Frequency</b> Simulated Current	<b>dc Current:</b> 20 A; 100 A; 200 A; 500 A; 750 A; 1000 A <b>ac Current:</b> 20 A, 100 A, 200 A, 400 A, 500 A, 750 A, and 1000 A all at 60 Hz	R1045,00	R1205,00	Fluke 353 ac dc Clamp Meter NLA PT001 ILC_P_02
ILC104	Medium Current Shunt	<b>dc Low Frequency</b> Current 2 A to 20 A	<b>dc Current:</b> 5 A; 10 A; 15 A; 20 A <b>ac Current:</b> 5 A, 40 Hz; 10 A, 1 kHz; 15 A, 1 kHz; 20 A, 5 kHz	R1090,00	R1255,00	Fluke Y5020 Current Shunt NLA PT006 ILC_P_05
ILC105	HV Probe	<b>dc Low Frequency</b> Voltage Ratio	<b>dc Voltage:</b> 1000 V <b>ac Voltage:</b> 1000 V at 60 Hz	Available on request	Available on request	Fluke 80k-40 HV Probe NLA PT009 ILC_P_07
ILC106	Mass Pieces	<b>Mass</b> Mass Pieces	<b>Mass:</b> 100 mg; 200 mg; 200 mg; 500 mg; 1 g; 2 g; 2 g; 5 g; 10 g; 20 g; 20 g; 50 g; 100 g; 200 g; 200 g; 500 g	R1980,00	R2280,00	Mass Pieces  NLA PT004 ILC_P_04
ILC107	Liquid in Glass	<b>Temperature</b>	<b>Temperature:</b> -20°C; -10°C; 0°C	R2200,00	R2510,00	NLA PT011

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	Thermometer - 20°C to +100°C	Liquid in Glass Thermometers	35°C; 69°C and 90°C			NLA PT015 ILC_P_08
ILC108	PRT -40°C to +450°C	<b>Temperature</b> Platinum Resistance Thermometers	<b>Temperature:</b> -40°C, -30°C, -20°C; 0°C, 149°C, 300°C, 450°C, 0°C	R1650,00	R1900,00	Fluke/Hart PRT NLA PT019 ILC_PT_09
ILC109	Data Logger	<b>Temperature</b> Temperature & Relative Humidity	<b>Temperature:</b> 15°C, 23°C, 30°C <b>Relative Humidity:</b> 30%rh, 50%rh, 75%rh	R1320,00	R1520,00	Keytag KTL 508 NLA PT002 ILC_P_10
ILC110	Pressure Calibrator	<b>Pressure</b> Gas Medium	<b>Pressure:</b> -75 kPa, 10 kPa, 50 kPa, 100 kPa, 150 kPa, 200 kPa	R1320,00	R1520,00	Fluke 713 30G NLA PT007 ILC_P_11
ILC111	Thermocouple Type R 0°C to 1200°C	<b>Temperature</b> Thermocouples Noble Metal	<b>Temperature:</b> 0°C, 249°C, 599°C, 1099°C, 1200°C	R1650,00	R1900,00	Type R T/C NLA PT013 ILC_P_12
ILC112	Pressure Calibrator	<b>Pressure</b> Gas Medium	<b>Pressure:</b> 100 kPa, 250 kPa, 350 kPa, 475 kPa, 600 kPa	R1320,00	R1520,00	Fluke 713 100G NLA PT008 ILC_P_13
ILC113	Torque Wrench	<b>Torque</b> Torque	<b>Torque:</b> 50 N•m, 100 N•m, 150 N•m, 200 N•m, 250 N•m, 300 N•m	R825,00	R950,00	BMS 4300

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				NLA Member	Non Member	
		Generating Devices				NLA PT014 ILC_P_14
ILC114	Torque Wrench	<b>Torque</b> Torque Generating Devices	<b>Torque:</b> 10 N•m, 20 N•m, 30 N•m, 40 N•m, 50 N•m	R825,00	R950,00	BMS S3050  NLA PT018 ILC_P_15
ILC115	Mass Pieces	<b>Low Mass</b> Mass Pieces	<b>Mass:</b> 500 mg, 200 mg, 200 mg, 100 mg, 50 mg, 20 mg, 20 mg, 10 mg, 5 mg, 2 mg, 2 mg, 1 mg	R1980,00	R2280,00	Mettler Weights  NLA PT020 ILC_P_16
ILC116	Tachometer	<b>RPM</b> Tachometer	<b>RPM:</b> Non-Contact: 5 to 99900 RPM Contact: 5 to 7000 RPM	R850,00	R980,00	Extech 461995  NLA PT023 ILC_P_17

**NB:** Prices exclude 14% VAT and any delivery / courier charges