



INSTITUTE OF WATER TECHNOLOGY LABORATORY

SCOPE OF ACCREDITATION

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Issue No: 001/3

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ATG04	Material/Product/ Matrix tested/calibrated	Type of test/calibration and/or property measured, range of measurement*	Standard Specifications/ In-House Methods/ Equipment/ Techniques	Loc. Code
	<u>Chemical Tests</u>		<u>Documented In-House Methods</u>	
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	pH determination	In-house methods (using pH meters): SOP/C/002 SOP/C/003 SOP/C/034 SOP/C/035 SOP/C/040	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of conductivity	In-house methods (using conductivity meters): SOP/C/004A SOP/C/004B SOP/C/004C SOP/C/004D SOP/C/004E SOP/C/004F SOP/C/004G SOP/C/041A SOP/C/041B	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of chlorine (free and total)	In-house method (using colorimetry): SOP/C/006	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of alkalinity (to pH 4.5)	In-house method (using titrimetry): SOP/C/007	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Detection of ammonia	In-house method (spot test): SOP/C/008	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Detection of nitrite	In-house method (spot test): SOP/C/009	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Detection of phosphate	In-house method (spot test): SOP/C/010	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of turbidity	In-house method (using turbidity meter): SOP/C/011 SOP/C/038 SOP/C/039	A



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766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of nitrate	In-house method (using titrimetry): SOP/C/012A	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of chloride	In-house method (using titrimetry): SOP/C/013	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of total hardness	In-house method (using titrimetry): SOP/C/014	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of calcium hardness	In-house method (using titrimetry): SOP/C/015	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of magnesium hardness	In-house method (by calculation): SOP/C/016	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of Total solids	In-house methods: SOP/C/017A (using gravimetry)	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of Total dissolved solids	In-house method: SOP/C/017B (using gravimetry)	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of Total suspended solids	In-house method: SOP/C/017C (by calculation)	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Free Carbon Dioxide determination	In-house method (nomographic): SOP/C/018	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of LSI – Langelier Saturation Index	In-house method (by calculation): SOP/C/029	A
766.01	WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Boreholes, and Domestic and Industrial Premises.	Determination of Temperature	In-house method: SOP/C/031	A



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	<u>Sampling</u>			
766.71	WATERS, treated and untreated from: Reservoirs, Boreholes, Water Treatment Works, Desalination Plants, Household and Industrial Potable Water Taps	<u>Sampling</u> (a) Chemical analysis (b) Microbiological analysis <u>Chemical Tests</u> Determination of chlorine (free and total) Determination of Temperature Determination of pH Determination of Conductivity	Documented In-House Methods In-house method: (a) SOP/C/001 (b) LAB/WQB 001 SOP/C/006 SOP/C/031 SOP/C/002; SOP/C/035; SOP/C/040 SOP/C/004A; SOP/C/004B; SOP/C/004D; SOP/C/004F; SOP/C/0041A; SOP/C/0041B	B
END OF SCOPE				

This scope of accreditation may be revised from time to time by NAB-MALTA. To obtain an up-to-date scope contact NAB-MALTA (info@nabmalta.org.mt).