



# Water Services Corporation Scope of Accreditation

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## ACCREDITATION INFORMATION - TESTING LABORATORY

<b>Accreditation No.</b>	001
<b>Accreditation Certificate No.</b>	001/1
<b>Accredited according to</b>	MSA EN ISO/IEC 17025
<b>Accreditation Scope No.</b>	001/5
<b>Date of issue of this Scope</b>	02 July 2009

## SCOPE OF ACCREDITATION

**Issue No: 001/5**

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## TESTING LABORATORY

### Laboratory Locations

<i>Location Details</i>	<i>Activity</i>	<i>Location Code</i>
<b>Address</b> W.S.C., Qormi Road, Luqa LQA9043, Malta	Chemical Testing of Waters	A

### Site activities performed away from the locations listed above

<i>Location Details</i>	<i>Activity</i>	<i>Location Code</i>
Water Treatment Works, Desalination Plant, Reservoirs, Boreholes, Domestic and Industrial Premises	Sampling for subsequent chemical and microbiological testing On-site testing	B

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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
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### Chemistry

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
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 (by calculation):SOP/C/017C	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 (using gravimetry):SOP/C/017B	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 (using gravimetry):SOP/C/017A	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



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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 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 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.	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 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 Temperature	In-house method:SOP/C/031	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



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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 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.	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.	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 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



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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 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.	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
766.04	WATERS, waste waters, effluents, and sewage	Detection of turbidity	In-house method (using turbidity meter): SOP/C/WW014A, SOP/C/WW014B	A
766.04	WATERS, waste waters, effluents, and sewage	Determination of Settleable solids	In-house method (using volumetric method): SOP/C/WW012	A
766.04	WATERS, waste waters, effluents, and sewage	Detection of Volatile solids	In-house method (using gravimetry): SOP/C/WW011	A
766.04	WATERS, waste waters, effluents, and sewage	Detection of total suspended solids	In-house method (using gravimetry): SOP/C/WW010	A



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766.04	WATERS, waste waters, effluents, and sewage	Detection of total dissolved solids	In-house method (using gravimetry): SOP/C/WW009	A
766.04	WATERS, waste waters, effluents, and sewage	Detection of total solids	In-house method (using gravimetry): SOP/C/WW008	A
766.04	WATERS, waste waters, effluents, and sewage	Detection of chloride	In-house method (using titrimetry): SOP/C/WW003	A
766.04	WATERS, waste waters, effluents, and sewage	Detection of nitrate	In-house method (using colorimetry): SOP/C/WW013	A
766.04	WATERS, waste waters, effluents, and sewage	Detection of nitrite	In-house method (using colorimetry): SOP/C/WW004	A
766.04	WATERS, waste waters, effluents, and sewage	Detection of Ammonia	In-house method (using colorimetry): SOP/C/WW006	A
766.04	WATERS, waste waters, effluents, and sewage	Determination of Chlorine (free and total)	In-housing method (using colorimetry): SOP/C/WW005	A
766.04	WATERS, waste waters, effluents, and sewage	Determination of Conductivity	In-housing methods (using conductivity meters): SOP/C/WW001A, SOP/C/WW001B, SOP/C/WW002A, SOP/C/WW002B SOP/C/WW001B SOP/C/WW002A SOP/C/WW002B	A



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766.04	WATERS, waste waters, effluents, and sewage	PH Determination	In-house method (using pH meters): SOP/C/002, SOP/C/003, SOP/C/040	A
766.04	WATERS, waste waters, effluents, and sewage	Detection of nitrate	In-house method (using distillation): SOP/C/WW007	A
766.04, 766.05	WATERS, waste waters, effluents, and sewage	Gravimetric Method for the Quantification of Oils and Greases	In-house method SOP/C/WW015 based on Standard method 5520 B (Partition-Gravimetric) APHA, AWWA, WEF	A
766.71	WATERS, treated and untreated from: Reservoirs, Boreholes, Water Treatment Works, Desalination Plants, Household and Industrial Potable Water Taps	Sampling (a) Chemical analysis (b) Microbiological analysis Chemical Tests 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; OP/C/004B; SOP/C/004D; OP/C/004F; SOP/C/0041A; OP/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 on +356 21255548 ([info@nabmalta.org.mt](mailto:info@nabmalta.org.mt)).

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