



Water Services Corporation Scope of Accreditation

Contact person	Paula Grech Bonnici
Address	W.S.C., Qormi Road, Luqa LQA9043, Malta
Telephone	+356 22443126
Company Reg. No.	n/a
Email	paula.grech.bonnici@wsc.com.mt
Website	www.wsc.com.mt

ACCREDITATION INFORMATION - TESTING LABORATORY

Accreditation No.	001
Accreditation Certificate No.	001/9
Accredited according to	EN ISO/IEC 17025:2005
Accreditation Scope No.	S001/13
Date of issue of this Scope	Thursday, 10 May 2018

SCOPE OF ACCREDITATION

Issue No: S001/13

Page 1 of 10

TESTING LABORATORY

Laboratory Locations

Location Details	Activity	Location Code
Address W.S.C., Qormi Road, Luqa LQA9043, Malta	Chemical and Microbiological Testing of Waters	A

Site activities performed away from the locations listed above

Location Details	Activity	Location Code
Water Treatment Works, Desalination Plant, Reservoirs, Boreholes, Domestic and Industrial Premises, Sewage Treatment Plants, Sewage Networks, Seawater wells, Water Tanks, Recreational waters and similar locations.	Sampling for subsequent chemical and microbiological testing On-site testing	B

NAB-Malta is a signatory for the EA MLA in testing, calibration and inspection

National Accreditation Board - Malta (NAB - MALTA)
 Mizzi House, 1st Floor, National Road, Blata l-Bajda HMR9010, Malta
 Tel No. (+356) 23952510
 Web: www.nabmalta.org.mt - Email: info@nabmalta.org.mt



Water Services Corporation

Scope of Accreditation

SCOPE OF ACCREDITATION S001/13 *issued on* 10/05/2018 **Page 2 of 10**

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
---	---	--	--------------

Chemistry

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, wastewaters and effluents	Sampling for Chemical analysis	Documented In-House Methods: SOP/C/001	B
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	Determination of pH	In-house method: SOP/C/002, SOP/C/003, SOP/C/034, SOP/C/035, SOP/C/040 (using pH meters), SOP/C/049	A , B
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water and sea waters, wastewater and effluent	Determination of conductivity	In-house method: SOP/C/041A, SOP/C/042 (using conductivity meters), SOP/C/047, SOP/C/048	A , B
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water and effluent	Determination of total alkalinity	In-house method: SOP/C/007 (using titrimetry)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Detection of ammonia	In-house method: SOP/C/008 (spot test)	A



Water Services Corporation

Scope of Accreditation

SCOPE OF ACCREDITATION S001/13 *issued on* 10/05/2018 **Page 3 of 10**

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
---	---	--	--------------

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Determination of Nitrite	In-house method: SOP/C/009 (spot test)	A
---	--------------------------	---	---

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Detection of Phosphate	In-house method: SOP/C/010 (spot test)	A
---	------------------------	---	---

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, wastewater and effluents	Determination of turbidity	In-house method: SOP/C/011B, SOP/C/038, SOP/C/039 (using turbidity meter), SOP/C/WW014A, SOP/C/WW014B (using turbidity meter)	A
---	----------------------------	--	---

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water and effluent	Determination of total hardness	In-house method: SOP/C/014 (using titrimetry)	A
--	---------------------------------	--	---

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water and effluent	Determination of calcium or calcium hardness	In-house method: SOP/C/015 (using titrimetry)	A
--	--	--	---



Water Services Corporation

Scope of Accreditation

SCOPE OF ACCREDITATION S001/13 *issued on* 10/05/2018 **Page 4 of 10**

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
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Determination of magnesium or magnesium hardness	In-house method: SOP/C/016 (by calculation)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Determination of Total suspended solids	In-house method: SOP/C/017C (by calculation)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Determination of Free Carbon Dioxide	In-house method: SOP/C/018 (nomographic)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Determination of LSI – Langelier Saturation Index	In-house method: SOP/C/029 (by calculation)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, wastewater and effluent	Determination of Temperature	In-house method: SOP/C/031	A , B



Water Services Corporation

Scope of Accreditation

SCOPE OF ACCREDITATION S001/13 *issued on* 10/05/2018 **Page 5 of 10**

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
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Determination of elements (Aluminium, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Zinc) by ICPMS	In-house method: SOP/C/046 (using ICPMS)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Total Dissolved Solids	In-house method: SOP/C/047B	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste water	Determination of Copper	In-house method: SOP/C/AAS003 (using absorption spectroscopy)	A
Waste waters and effluents	Determination of Lead	In-house method: SOP/C/AAS014 (using Flame-atomic Absorption Spectrophotometry)	A
Waste Water and effluents	Determination of Nickel	In-house method: SOP/C/AAS015 (using Atomic Absorption Spectrophotometry)	A
Waste Water and effluents	Determination of Zinc	In-house method: SOP/C/AAS016 (using Atomic Absorption Spectrophotometry)	A



Water Services Corporation

Scope of Accreditation

SCOPE OF ACCREDITATION S001/13 *issued on* 10/05/2018 **Page 6 of 10**

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
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Determination of Nitrate	In-house method: SOP/C/UV001C (using UV Spectrophotometry)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, Waste Water and effluents	Determination of Ammonia	In-house method: SOP/C/UV002A, SOP/C/UV002B, SOP/C/UV002D (using UV Spectrophotometry)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, Waste Water and effluents	Determination of Nitrites	In-house method: SOP/C/UV003A, SOP/C/UV003B, SOP/C/UV003D (using UV Spectrophotometry)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water and treated effluent	Determination of Boron	In-house method: SOP/C/UV004 (using UV Spectrophotometry)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water and treated effluents	Determination of Sulphates	In-house method: SOP/C/UV007 (using UV spectrometry)	A



Water Services Corporation

Scope of Accreditation

SCOPE OF ACCREDITATION S001/13 *issued on* 10/05/2018 **Page 7 of 10**

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
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water	Determination of Fluorides	In-house method: SOP/C/UV009 (using UV spectrometry)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	Determination of Chloride	In-house method: SOP/C/WW003 (using titrimetry), SOP/C/013 (using titrimetry)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	Determination of chlorine (free and total)	In-housing method: SOP/C/WW005 (using colorimetry), SOP/C/006 (using colorimetry)	A , B
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	Determination of nitrate	In-house method: SOP/C/WW007 (using distillation and titrimetry), SOP/C/012A (using distillation and titrimetry)	A
WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	Determination of total solids	In-house method: SOP/C/WW008 (using gravimetry), SOP/C/017A (using gravimetry)	A



Water Services Corporation

Scope of Accreditation

SCOPE OF ACCREDITATION S001/13 *issued on* 10/05/2018 **Page 8 of 10**

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
---	---	--	--------------

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	Determination of total dissolved solids	In-house method: SOP/C/017B (using gravimetry)	A
---	---	--	---

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	Determination of total suspended solids	In-house method: SOP/C/WW010 (using gravimetry)	A
---	---	---	---

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	Determination of Volatile solids	In-house method: SOP/C/WW011 (using gravimetry)	A
---	----------------------------------	---	---

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	Determination of settleable solids	In-house method: SOP/C/WW012 (using volumetric method)	A
---	------------------------------------	--	---

WATERS, treated and untreated from: Water Treatment Works, Desalination Plants, Reservoirs, Ground waters, Domestic and Industrial Premises, Runoff water, waste waters and effluents	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
---	---	--	---



Water Services Corporation

Scope of Accreditation

SCOPE OF ACCREDITATION S001/13 *issued on* 10/05/2018 **Page 9 of 10**

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
---	---	--	--------------

Waste waters, industrial waters and effluents	Determination of Chemical Oxygen Demand	In-house method: SOP/C/WW018 (using sealed tube digestion and titrimetry)	A
---	---	---	---

Microbiology

WATERS, treated and untreated from water treatment works, desalination plants, reservoirs, groundwater, domestic and industrial premises, runoff water, wastewaters, effluents and polished bottled water, pools, spa, recreational and seawater, brackishwater	Total Bacterial Counts	ISO 6222: 2000	A
---	------------------------	----------------	---

WATERS, treated and untreated from water treatment works, desalination plants, reservoirs, groundwater, domestic and industrial premises, runoff water, wastewaters, effluents and polished bottled water, pools, spa, recreational and seawater, brackishwater	Total coliforms and E.coli	ISO 9308-1: 2014	A
---	----------------------------	------------------	---

WATERS, treated and untreated from water treatment works, desalination plants, reservoirs, groundwater, domestic and industrial premises, runoff water, wastewaters, effluents and polished bottled water, pools, spa, recreational and seawater, brackishwater	Enterococcus faecalis	ISO 7899-2: 2000	A
---	-----------------------	------------------	---



Water Services Corporation

Scope of Accreditation

SCOPE OF ACCREDITATION S001/13 *issued on* 10/05/2018 **Page 10 of 10**

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
---	---	--	----------------------

WATERS, treated and untreated from water treatment works, desalination plants, reservoirs, groundwater, domestic and industrial premises, runoff water, wastewaters, effluents and polished bottled water, pools, spa, recreational and seawater, brackishwater	Detection and enumeration of Legionella	ISO 11731:2017	A
---	---	----------------	---

WATERS, treated and untreated from water treatment works, desalination plants, reservoirs, groundwater, domestic and industrial premises, runoff water, effluents and polished bottled water, pools, spa and recreational water	Sampling for Microbiological analysis	Documented In-House Methods: SOP/C/001	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 23952510 (info@nabmalta.org.mt).

NAB-MALTA