



17<sup>th</sup>  
edition

Proficiency tests are one of the main tools available to laboratories to assess the quality of its results.

The Qualinova program is accredited by ENAC as provider of proficiency tests, according to the **ISO 17043:2010** standard with number **10/PPI015**. In the description of the rounds can verify which are accredited. We are currently you working to expand the scope of accreditation.

This **17<sup>th</sup> edition** of our circuits continues to offer its participants maximum reliability in their development, including the robust statistics recommended by the ISO standard 13528:2015 and the IUPAC protocols. Likewise, the preparation of the samples, the studies of homogeneity and stability of the same and the entire organizational and logistic system of our exercises comply with the recommendations made by the ISO 17043:2010 standard, referring to the organization of intercomparative laboratory exercises.

The operating system is very simple: Each Laboratory determines which are the intercomparative rounds that are interested in the annual Qualinova program. Within each round different analyzes are requested that the Laboratory can carry out in whole or in part, according to your needs. Once the deadline for receipt of results, Qualinova carries out a statistical study and register on the web the general report of results and a personalized report in which the figures are valued obtained by each participant. The laboratories access the reports by registering on the web with a username and password supplied by Qualinova.

In the reports of all the intercomparative rounds, a random code number is assigned to each participant, so that the confidentiality of the results is guaranteed at all times.

Only in the personalized report of each participant indicates the assigned code.



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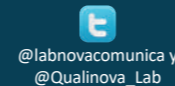


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PROGRAM2023

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**Qualinova Environment**

*Qualinova proficiency testing workings*

Qualinova Environment 2023 program comprises 16 rounds of intercomparison spread over 11 months.

Participating laboratories can enroll in as many rounds they wish, there being no minimum number. Nevertheless, participation throughout the year in various rounds entails an interesting economic savings.

Various aspects of the proficiency testing program may eventually be outsourced. When the subcontracting, this is awarded to a subcontractor competent and the proficiency testing provider is responsible for this work.

You can sign up for the exercises as follows:  
Through our new website: [www.labnovasl.com](http://www.labnovasl.com), in the "intercomparative" tab, marking in the boxes the corresponding exercises in which you are interested.

If you want to make technical questions about the Qualinova exercises you can contact through the email addresses: [qualinova@labnovasl.com](mailto:qualinova@labnovasl.com) or [calidad@labnovasl.com](mailto:calidad@labnovasl.com)

Remember that the symbol # indicates that this circuit or parameter is not included in the scope of accreditation.

Operation of Qualinova Intercomparison circuits.





# Physicochemical

ITEM	JAN.	FEB.	MAR.	APRIL	MAY	JUN.	JUL.	SEPT.	OCT.	NOV.	DEC.	TOT.	PRICE €
Waste water metals#				MA23005								1	242
Waste water						MA23008			MA23013			2	273*/437**
Pool water#		MA23002				MA23009						2	242*/387**
Drinking water			MA23003				MA23010				MA23015	3	268*/605**
Drinking water metals #	MA23001											1	242

\*One test \*\*All tests  
Shipping fees not included  
VAT NOT INCLUDED  
5 physicochemical test: 798€  
5 Microbiological test: 955€



Test labeled with # are not covered by ENAC Accreditation

ITEM	CODE	PARAMETERS
Drinking water # (metals µg/l)	MA 23001	Al - Sb - As - B - Cd - Cu - Cr - Fe - Mn - Hg - Ni - Pb - Se
Waste water	MA 23008	pH - Conductivity - COD - BOD - Suspended solids - Ammoniacal Nitrogen - Kjeldahl Total Nitrogen - Total Phosphorous - Orthophosphate - Nitrites-TOC#
	MA 23013	pH - Conductivity - COD - BOD - Suspended solids - Ammoniacal Nitrogen - Kjeldahl Total Nitrogen - Chlorides - Volatile suspended solids
Pool Water #	MA 23002	pH - Conductivity - Turbidity - Free residual chlorine - Combined residual chlorine - REDOX potential - Oxidability
	MA 23009	pH - Conductivity - Turbidity - Free residual chlorine - Combined residual chlorine
Drinking water	MA 23003	pH - Conductivity - Nitrates - Nitrites - Ammonium - Carbonates - Bicarbonates - Chlorides Sulphates - Na - K - Ca - Mg - Hardness - Phosphates#
	MA 23010	pH - Conductivity - Nitrates - Nitrites - Ammonium - Free residual chlorine - Total residual Chlorine - Colour Turbidity - Dry matter at 180° C
	MA 23015	pH - Conductivity - Nitrates - Nitrites - Ammonium - Carbonates - Bicarbonates - Chlorides - Sulphates - Na - K - Ca - Mg - Oxidability - Fluorides
Waste water # (metals mg/l)	MA 23005	Al - As - Ba - B - Cd - Co - Cu - Cr - Sn - Fe - Mn - Hg - Mo - Ni - Pb - Se - Zn

# Microbiological

ITEM	JAN.	FEB.	MAR.	APRIL	MAY	JUN.	JUL.	SEPT.	OCT.	NOV.	DEC.	TOT.	PRICE €
Drinking water			MA23004				MA23011				MA23016	3	268*/605**
Pool water#					MA23006							1	268
Legionella #					MA23007				MA23014			2	242*/368**
Surface water #								MA23012				1	242

\*One test \*\*All tests  
Shipping fees not included  
VAT NOT INCLUDED  
5 physicochemical test: 798€  
5 Microbiological test: 955€



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ITEM	CODE	PARAMETERS
Drinking water	MA 23004	<b>Enumeration:</b> aerobic microorganisms at 22° C - aerobic microorganisms at 36° C - Total coliforms - <i>Escherichia coli</i> - enterococcus. <b>Detection:</b> <i>Salmonella spp.</i>
	MA 23011	<b>Enumeration:</b> aerobic microorganisms at 22° C - aerobic microorganisms at 36° C - Total coliforms - <i>Escherichia coli</i> - Enterococcus - <i>Clostridium perfringens</i> .
	MA 23016	<b>Enumeration:</b> aerobic microorganisms at 22° C - aerobic microorganisms at 36° C - Total coliforms - <i>Escherichia coli</i> - Enterococcus - <i>Pseudomonas aeruginosa</i> - <i>coagulase</i> + <i>Staphylococci</i> .
Pool water #	MA 23006	<b>Enumeration:</b> aerobic microorganisms at 36° C - Fecal coliforms - Total coliforms - <i>Escherichia coli</i> - Enterococcus - <i>Pseudomonas aeruginosa</i> - <i>coagulase</i> + <i>Staphylococci</i> .
Legionella #	MA 23007	<b>Enumeration:</b> <i>Legionella spp.</i> <b>Detection:</b> <i>Legionella pneumophila</i> .
	MA 23014	<b>Recuento:</b> <i>Legionella spp.</i> <b>Detection:</b> <i>Legionella pneumophila</i> .
Surface water #	MA 23012	<b>Enumeration:</b> aerobic microorganisms at 22° C - aerobic microorganisms at 36° C - <i>Escherichia coli</i> - <i>Pseudomonas aeruginosa</i> - <i>coagulase</i> + <i>Staphylococci</i> .