

**18<sup>a</sup>**  
edition

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 the personalized report of each participant indicates the assigned code.

Qualinova proficiency testing workings

**Qualinova environment 2024** program comprises 17 rounds of intercomparasion spread over 11 months.

Participating laboratories can enroll in as many rounds the 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.

Ou 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.

**18**  
*Years with you*

**QUALINOVA  
ENVIRONMENT**

LABNOVA

**Qe** 24

**QUALINOVA  
ENVIRONMENT**

## Qualinova Environment

*Operation of proficiency test Qualinova.*

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

In the **Qualinova program** is 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.

This 18th edition of our circuits continues to offer its participants the robust statistics recommended by the **ISO standard 13528:2022** and the **IUPAC protocols**

As **NEW**, indicate that a new round has been included in our ENVIRONMENT program, in response to suggestions proposed by our participants.

### ▶ Microbiology in cleaning water (**MA24004**)

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.

 **LABNOVA S.L.**

Labnova Distribuciones Agroalimentarias S.L.  
Ejercicios Intercomparativos Qualinova  
C/ Vitoria, 274 - Nave 138. Complejo Navas Taglosa  
Pol. Ind. Gamonal-Villimar. 09007 Burgos

Tel. 947 04 06 63 [www.labnovasl.com](http://www.labnovasl.com)

follow us:



@labnovacomunica y  
@Qualinova\_Lab

PROGRAM2024



**LABNOVA S.L.**

Labnova Distribuciones  
+34 947 04 06 63  
[www.labnovasl.com](http://www.labnovasl.com)

# Físico - Químico

ITEM	SHIPPING	JAN.	FEBR.	MARCH	APRIL	MAY	JUNE	JULY	SEPT.	OCT.	NOV.	DIC.	TOT.	PRICE €
Waste water (Metals)	Refrigeration								MA24013				1	254
Waste water	Refrigeration				MA24006					MA24014			2	286/457**
Pool water	Refrigeration		MA24002			MA24008							2	254/406**
Drinking water	Refrigeration			MA24005			MA24010				MA24016		2	281/675**
Drinking water (Metals)	Refrigeration	MA24001											1	254

\*One test \*\* All test.  
 5 microbiological test: 1002  
 5 physicochemical test: 728  
 VAT NOT INCLUDED  
 Shipping fee not included.

For multiple registrations between the Food and Environment circuits, consult us.

ITEM	MONTH	CODE	PARAMETER/DESCRIPTION
Drinking water (metals).	JANUARY	MA 24001	Al - Sb -As - B- Cd - Cu - Cr - Fe - Mn - Hg - Ni - Pb - Se
Pool water	FEBRUARY	MA 24002	pH- Conductivity - Turbidity - Free residual chlorine - Combined residual chlorine - REDOX potencial - Oxidability
Drinking water	MARCH	MA 24005	pH - Conductivity - Nitrates - Nitrites - Ammonium - Carbonates - Bicarbonates - Chlorides - Sulphates - Na -K - Ca - Mg - Hardness.
Waste water	APRIL	MA 24006	pH - Conductivity - COD -BOD -Suspended solids - Ammoniacal Nitrogen - Kjeldahl total nitrogen - Total phosphorus - Orthophosphates - Nitrites.
Pool water	MAY	MA 24008	pH - Conductivity - Turbidity - Free residual chlorine - Combined residual chlorine.
Drinking water	JUNE	MA 24010	pH - Conductivity - Nitrates - Nitrites - Ammonium - Total residual chlorine - Free residual chlorine - Color -Turbidity.
Waste water (metals)	SEPTEMBER	MA 24013	Al - As - Ba - B - Cd - Co - Cu - Cr - Sn - Fe - Mn - Hg - Mo - Ni - Pb - Se -Zn.
Waste water	OCTOBER	MA 24014	pH - Conductivity - COD - BOD - Suspended solids -Ammoniacal Nitrogen - Kjeldahl total nitrogen - Cloruros - volatile suspended solids
Drinking water	NOVEMBER	MA 24016	pH -Conductivity -Nitrates - Nitrites - Ammonium - Carbonates - Bicarbonates - Chlorides - Sulphates - Na - K - Ca - Mg - Oxidability-Fluorides

# Microbiology

ITEM	SHIPPING	JAN.	FEBR.	MARCH	APRIL	MAY	JUNE	JULY	SEPT.	OCT.	NOV.	DIC.	TOT.	PRICE €
Drinking water	Room temp.		MA24003				MA24011				MA24017		3	281/675**
Pool water	Room temp.					MA24009							1	281
Legionella	Room temp.				MA24007					MA24015			2	254/406**
Surface water	Room temp.							MA24012					1	254
Cleaning water <b>NEW</b>	Room temp.		MA24004										1	195

ITEM	MONTH	CODE	PARAMETER/DESCRIPTION
Drinking water	FEBRUARY	MA 24003	<b>Enumeration:</b> Aerobic microorganism at 36°C, Aerobic microorganism at 22°C, total coliforms, <i>Escherichia coli</i> , <i>Enterococcus</i> , <i>Pseudomonas aeruginosa</i> , <i>Clostridium perfringes</i> , <i>coagulasa</i> + <i>Satphylococci</i> . <b>Detection:</b> <i>Salmonella</i> spp.
Cleaning water	FEBRUARY	MA 24004	<b>Enumeration:</b> Aerobic microorganism at 36°C, aerobic microorganism at 22°C, total coliforms, <i>Escherichia coli</i> , <i>Enterococcus</i> .
Legionella	APRIL	MA 24007	<b>Enumeration:</b> <i>Legionella</i> spp. <b>Detection:</b> <i>Legionella pneumophila</i> .
Pool water	MAY	MA 24009	<b>Enumeration:</b> Aerobic microorganism at 36°C, Total coliforms , fecal coliforms, <i>Escherichia coli</i> , <i>Enterococcus</i> , <i>Pseudomonas aeruginosa</i> , <i>coagulasa</i> + <i>Satphylococci</i> .
Drinking water	JUNE	MA 24011	<b>Enumeration:</b> Aerobic microorganism at 22°C, Aerobic microorganism at 36°C, Total coliforms, <i>Escherichia coli</i> , <i>Enterococcus</i> , <i>Clostridium perfringes</i> , <i>Pseudomonas aeruginosa</i> .
Surface water	JULY	MA 24012	<b>Enumeration:</b> Aerobic microorganism at 22°C, aerobic microorganism at 36, <i>Escherichia coli</i> , <i>Pseudomonas aeruginosa</i> , <i>coagulasa</i> + <i>Staphylococci</i> .
Legionella	OCTOBER	MA 24015	<b>Enumeration:</b> <i>Legionella</i> spp. <b>Detection:</b> <i>Legionella pneumophila</i> .
Drinking water	NOVEMBER	MA 24017	<b>Enumeration:</b> Aerobic microorganism at 36°C, Aerobic microorganism at 22°C, total coliforms, <i>Escherichia coli</i> , <i>Enterococcus</i> , <i>Pseudomonas aeruginosa</i> , <i>Clostridium perfringes</i> , <i>coagulasa</i> + <i>Satphylococci</i> .