

**PUBLIC COMPANY ORLEN LIETUVA  
QUALITY ASSURANCE / QUALITY CONTROL CENTER**

**REQUEST FOR PROPOSAL**

*Required instrument/services, general and special requirements (description prepared by the QA/QC Center)*

Participation in proficiency testing (PT) and interlaboratory comparison (ILC) programs for quality assurance of environmental testing, organized by PT/ILC providers accredited and compliant with the ISO/IEC 17043 standard.

PT/ILC program organizer shall meet the following requirements:

- Be duly accredited and certified for conformity with the EN ISO/IEC 17043 standard;
- Operate as an independent, external, and impartial assessment body;
- Ensure confidentiality of the customer's data (test results, z-scores, test methods, and any other participant-related information provided under an identification code);
- Evaluate the results and provide participants with a comprehensive PT program report by post or email. The report must include encrypted/coded laboratory test data, statistical analysis of test results, z-scores, and diagrams presenting the test results;
- Present a qualification verification/assessment certificate as proof of the laboratory's participation (optional);
- Provide software or an electronic tool for the customer to register and submit test data to the PT organizer, and to download instructions, recommendations, or other information related to PT program organization;
- Arrange delivery of the sample to the customer and, if necessary, provide assistance in resolving issues related to sample transportation (e.g., damaged packaging, leaking containers, etc.).

The QA/QC Center intends to participate in the following environmental PT/ILC programs in 2026:

**1) Surface water analysis**

- Nitrite nitrogen according to EN ISO 26777
- pH at 25 °C according to EN ISO 10523
- Nitrate nitrogen according to ISO 7890-3
- Ammonium nitrogen according to ISO 7150-1
- Electrical conductivity according to EN 27888
- Dissolved solids at 180 °C (salinity), TDS

**2) Wastewater analysis**

- Phenol index according to EN ISO 14402
- Dissolved solids at 180 °C (salinity), TDS
- pH at 25 °C according to EN ISO 10523
- Ammonium nitrogen according to ISO 7150-1
- Total nitrogen according to EN ISO 119065-1;
- Total phosphorus according to EN ISO 6878
- Hydrogen sulfide and sulfides by spectrometric method
- Biochemical oxygen demand (BOD) according to EN ISO 5815-1 and EN 1899-2
- Chemical oxygen demand (COD) index according to ISO 15705
- Suspended solids according to EN 872
- Total organic carbon (TOC) according to EN 1484
- Electrical conductivity according to EN 27888