

BSRIA Closed System Water Testing

Protect performance. Prolong asset life. Demonstrate compliance.

Eurofins Water Hygiene Testing provides comprehensive, UKAS no. 9658 accredited closed system water testing to support commissioning, monitoring and ongoing control of heating and cooling systems, in line with recognised industry guidance including BSRIA BG50, BG29, BS8552 and VDI 2035.

Our BSRIA compliant testing services

We offer a full suite of chemical and microbiological analyses aligned to BSRIA guidance for both commissioning and routine monitoring.

Microbiological analysis includes:

- ✓ Total Viable Counts (TVCs)
- ✓ *Pseudomonas* species
- ✓ Sulphate Reducing Bacteria (SRB)
- ✓ Nitrite Reducing Bacteria (NRB)

Chemical analysis includes:

- ✓ pH, conductivity and alkalinity
- ✓ Corrosion metals: iron, aluminium, copper, zinc
- ✓ Molybdate, nitrite inhibitors
- ✓ Film forming amines
- ✓ Anions: chloride, sulphate, nitrate
- ✓ Total Suspended Solids (TSS)
- ✓ Total Dissolved Solids (TDS @105°C)

Why test closed systems?

Closed water systems (e.g. heating and chilled water circuits) are vulnerable to corrosion, scale formation and microbial growth if water chemistry and microbiology are not correctly controlled. Poor water quality can lead to:

- ✓ Reduced energy efficiency
- ✓ Premature plant failure
- ✓ Blocked strainers and valves
- ✓ Biofouling and microbiologically influenced corrosion (MIC)

Regular testing helps demonstrate compliance, confirm inhibitor performance and identify issues early; before they become costly problems.

Matrices covered:

- ✓ Closed process water systems
- ✓ Mains fill water (drinking water)
- ✓ RO water (where applicable)

Key standards and guidance

Our testing supports compliance with:

- ✓ BSRIA BG50:2021 – Water treatment for closed heating and cooling systems
- ✓ BSRIA BG29:2012 / 2021 – Pre-commission cleaning
- ✓ BS8552:2012 – Sampling and monitoring guidance
- ✓ VDI 2035 – Prevention of corrosion and scale in heating systems

All relevant tests are delivered under UKAS accreditation.

Who is this service for

- ✓ Commissioning companies
- ✓ Building services engineers
- ✓ Facilities and estates managers
- ✓ HVAC and closed system water treatment providers
- ✓ Data centres and complex building systems



Why choose Eurofins Water Hygiene Testing UK

- ✓ UKAS-accredited testing for relevant matrices and parameters
- ✓ Fast turnaround times – typically 5 days with **3-day TAT** available by prior agreement
- ✓ State-of-the-art chemistry laboratories
- ✓ Network of regional laboratories providing **operational resilience**
- ✓ National logistics network with **~60 UK drop-off locations** including **central London** and refrigerated couriers
- ✓ Expert technical support from experienced water testing specialists

Simple, reliable testing

Samples are easy to submit via the Eurofins client Europortal sample management system on desktop and mobile app, helping reduce errors and speed up scheduling and reporting.

Ensure your closed systems are protected, efficient and compliant.

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