



ReDiant® Molybdate Test Strips

EXPRESS TEST FOR CONCENTRATION DETERMINATION

ReDiant® Molybdate Test Strips are based on the colorimetric test method for the determination of the concentration of ReDiant® H7 Protector in heating system water.

Description

Molybdate Test Strips provides a fast on-site analysis of the concentration of molybdate based inhibitors in central heating system water. Easy and comfortable to use, it is a quick and simple testing tool to maintain a sufficient concentration level of the protector in the system. The Molybdate test strip detects molybdate (MoO_4^{2-}) levels from 0–350 ppm (mg/l) in increments of 0-25-50-100-150-200-250-300-350 ppm (mg/l). Molybdate concentration is determined by a colorimetric method in the water sample. A pass or a failure of a test is confirmed based on the colour of the test strips compared against the colour chart on the vial.

Advantages

- Simple and quick on-site concentration testing
- Suitable for testing all molybdate-based inhibitors
- Colour chart and instructions are on the label of vial for easy access and use
- Colorimetric testing method
- Measurement range: 0–350 ppm (mg/l) MoO_4^{2-}
- Each vial contains 50 test strips

Test Procedure

1. Take a sample of system water which is representative of the whole system (drain the water for several seconds before taking the sample).
2. Dip the Molybdate test strip into the solution for 1 second.
3. Shake off excess liquid and compare the strip to colour chart within 10 seconds



Note:

- The colour of the strip may change after the reaction time, but this should not be considered in the measurement.
- If the colour of the strip is more intense than the darkest colour in the chart, repeat the measurement using fresh, diluted sample. The dilution must be considered (result of analysis = measurement value x dilution factor).

Product Specification

Quantity	50 strips in single vial
Vial Dimensions	29 mm (D) x 86 mm (H)
Strip Dimensions	64 mm (L) x 5 mm (W)
Weight	33.4 ± 0.2 g (50-strip vial)
Other	Stored in a flip-top vial with built-in desiccant liner

Health and Safety

Read label and product data sheet before use. The test strips are non-hazardous but should be kept out of the reach of children.

Packaging and Handling

ReDiant® Molybdate test strips are supplied in a vial which contains **50 test strips**. Protect from humidity and water. Avoid storage near extreme heat, ignition sources or open flame. Keep product in original packages tightly closed during handling.

Read Material Safety Data Sheet for detailed handling and storage precautions.