

Ozone Test

Description:

Ozone is a colorless, toxic gas which irritates the eyes and mucous membranes and can cause respiratory complaints. An ozone content of $180 \mu\text{g}/\text{m}^3$ in the air is considered to be the critical value above which sensitive persons should avoid strong physical exertion. The ozone values published by media such as radio or TV represent the ozone concentrations in the vicinity of the measuring stations. In other locations far away from the measuring stations, the ozone values may vary considerably due to meteorological and chemical influences such as wind, solar radiation, exhaust gases from vehicles etc. For this reason, it is advisable to measure the ozone concentration locally. Ozone Test is an easy-to-use screening test for the ozone concentration in air. Like QUANTOFIX® test strips, this test consists of plastic strips 10 mm wide with a test paper attached at the lower end. This makes it easy to perform the test.

Pack content:

1 aluminum container with 12 test strips

Measuring range:

$< 90 - > 210 \mu\text{g}/\text{m}^3 \text{O}_3$

Color gradation:

$< 90 \cdot 90 - 150 \cdot 150 - 210 \cdot > 210 \mu\text{g}/\text{m}^3 \text{O}_3$

General indications:

Remove only as many test strips as are required. Close the container immediately after removing a strip. Do not touch the test field.

Instructions for use:

1. Hold the test strip in the open air.
2. Protect the test strip from the wind.
3. Avoid direct sunlight.
4. Wait 10 minutes.
5. Compare the test field with the color scale.

If ozone is present, the test field turns light yellow to brown.

Additional information:

1. The test field may change after the reaction time has elapsed. This has no relevance for the reading.
2. Never replace a used test strip into the container, even if the measurement was negative.

Interferences:

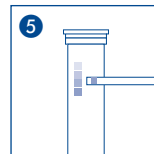
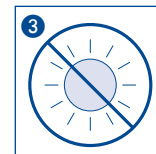
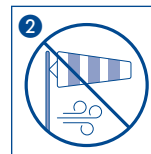
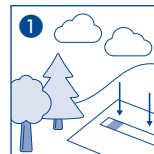
The presence of other oxidants (e.g. chlorine) will lead to a similar coloration thus simulating a higher ozone concentration. The measuring ranges are valid for a relative atmospheric humidity of 30–60 %. Humidity values below 30 % can lead to lower test results, humidity above 60 % to higher results than are actually present.

Disposal:

Information regarding disposal can be found in the safety data sheet. You can download the SDS from www.mn-net.com/SDS.

Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature $4 - 30^\circ\text{C}$).
If correctly stored, the test strips may be used until the use-by-date printed on the packaging.



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