

Ferrit Test

For the detection of iron and rust on stainless steel



Product description

Test method for the detection of ferritic impurities on component surfaces made of austenitic Cr Ni steel and nickel alloys. The ferrite indicator test is used for localised spot checks on components made of austenitic Cr Ni steel and nickel alloys to detect ferritic impurities.

The ferrite indicator test is not to be used for:

1. blasted surfaces
2. components made of Cr steels

Execution

The solution is placed in a bowl and the filter paper is dipped into the test liquid. The soaked filter paper is placed on the stainless steel surface. In the presence of ferrite on the component surface, a colour change to blue occurs after about 3 minutes. This colour change only occurs locally on the areas with ferrite particles. The test is evaluated after 10 minutes. After the test, the tested surface areas must be immediately cleaned of the indicator solution by thoroughly wiping or rinsing with deionised water.

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Possible errors

The ferrite indicator test must not be carried out immediately after mechanical surface treatment (brushing, turning, grinding, etc.), as freshly processed surface areas also give a blue colouration. In order to avoid false indications, at least 24 hours must be waited after a mechanical surface treatment before a ferrite test can be carried out. Pickling agent residues are also indicated by a blue colouration. However, these indications are then over a large area.

Item no.	Application	Packaging units
100302	Detection of ferritic impurities	1 pc