

## INTER-GRANULAR CORROSION TESTING



Intergranular corrosion (**IGC**) is a selective attack in the vicinity of the grain boundaries of a stainless steel. It is as a result of chromium depletion, mainly due to the precipitation of chromium carbides in the grain boundaries.

AMCO is providing IGC services in Saudi Arabia. Below are the tests which AMCO is doing in Saudi Arabia as per the ASTM A262 standard.

**Practice A**— Oxalic Acid Etch Test for Classification of Etch Structures of Austenitic Stainless Steels

**Practice B**— Ferric Sulfate–Sulfuric Acid Test or Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels.

**Practice C**— Nitric Acid Test for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels.

**Practice E**— Copper–Copper Sulfate–Sulfuric Acid Test for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels.

**Practice F**— Copper–Copper Sulfate–50% Sulfuric Acid for Detecting Susceptibility to Intergranular Attack in Molybdenum-Bearing Cast Austenitic Stainless Steels

### Where can I get ASTM A 262 corrosion testing performed?

AMCO is one of the few labs in Saudi Arabia who is offering all five ASTM A 262 corrosion testing practices, as well as the expertise to help you determine which tests to use, what to do if a test fails, and other corrosion consulting as needed.