

# Mild/Low Carbon Steel

# C-1018

## DIGESTION OF CRM IARM 28B, LOW CARBON STEEL USING COLDBLOCK™ DIGESTION TECHNOLOGY

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### Introduction

This application note will focus on the digestion of CRM IARM 28B using ColdBlock™ Digestion CB12L Technology.

### Method

Triplicate samples of IARM 28B were digested using the following method:

- 0.25g sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 20mL Aqua Regia was added (3:1 HCl:HNO<sub>3</sub>)
- Sample was digested at 100% power for 20 minutes.
- Chiller temperature was set to -5°C.
- Sample was allowed to cool then was normalized to 50mL using 2% HNO<sub>3</sub>.

### Instrument

ColdBlock™ Digestion CB12L Technology.

### General

This procedure is specific for the sample digested and may need modification for different samples to achieve the desired result.