

# Chromite Ore

## DIGESTION OF HIGH-GRADE CHROMITE ORE USING COLDBLOCK™ DIGESTION TECHNOLOGY

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### Introduction

This application note will focus on the digestion of High-Grade Chromite ore using ColdBlock™ Digestion CB12L Technology.

### Method

A sample of CRM (Certified Reference Material) GCR-06 was digested using the following method:

- 0.25g of sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 8mL H<sub>2</sub>SO<sub>4</sub> and 5ml H<sub>3</sub>PO<sub>4</sub> was added.
- Sample was digested at 85% power for 20 minutes.
- Chiller temperature was set to -5°C.
- Sample was allowed to cool.
- Sample was normalized to 50mL using 1% 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.