

Chromite Ore

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

Author: Lorie-Anne Doig and Erick Helmeczi

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 H₂SO₄ and 5ml H₃PO₄ 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% HNO₃.

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.