

NICKEL-COBALT SULFIDE ORE

DIGESTION OF CRM OREAS-78 A NICKEL/COBALT SULFIDE, USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of CRM OREAS-78 using ColdBlock™ Digestion Technology.

Method

Six samples were digested using the following method:

- Chiller temperature was set to -5°C
- 0.25g sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 8mL Aqua Regia (3:1 HCL: HNO₃) was added
- Sample was digested at 100% power for 10 minutes
- Sample was cooled and diluted 50mL using 1% HNO₃.

Instrument

ColdBlock™ Digestion CB6L Technology.

General

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