

# URANIUM ORE-LOW GRADE CONCENTRATE

## DIGESTION OF CANMET CRM BL-5, A LOW-GRADE URANIUM CONCENTRATE USING COLDBLOCK™ DIGESTION TECHNOLOGY

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### Introduction

This application note will focus on the digestion of CRM BL-5 using ColdBlock™ Digestion Technology.

### Method

Triplicate 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 Reverse Aqua Regia (1:3 HCL: HNO<sub>3</sub>) was added
- Sample was digested at 100% power for 10 minutes
- Sample was cooled and diluted 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.