

# RARE EARTH – THORIUM ORE

## DIGESTION OF OKA-2 CRM (NATURAL RESOURCES CANADA), A RARE EARTH-THORIUM ORE USING COLDBLOCK™ DIGESTION TECHNOLOGY

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### Introduction

This application note will focus on the digestion of CRM OKA-2 (NRCan) using ColdBlock™ Digestion CB12L Technology.

### Method

Six samples of OKA-2 (NRCan) were digested using the following method:

- Chiller temperature was set to -5°C.
- 0.2g sample was weighed and placed into a ColdBlock™ Digestion Quartz vessel.
- 8mL phosphoric acid H<sub>3</sub>PO<sub>4</sub> was added
- Samples were digested at 100% power for 8 minutes.
- Samples were cooled and then diluted to 25mL 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.