

REE-1 - Zirconium & Niobium

DIGESTION OF REE-1 (NRCan) , ZIRCONIUM & NIOBIUM CRM USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of CRM REE-1 (NRCan) using ColdBlock™ Digestion CB12L Technology.

Method

Six samples of REE-1 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 H₃PO₄ added
- Samples were digested at 100% power for 8 minutes.
- Samples were cooled and then diluted to 25mL 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.