

RARE EARTH ELEMENTS

DIGESTION OF OREAS 465, HIGH-GRADE RARE-EARTH ELEMENTS USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of CRM OREAS 465 using ColdBlock™ Digestion CB12L Technology.

Method

Six samples of OREAS 465 were digested using the following method:

- Chiller temperature was set to -5°C
- 200 mg of sample was weighed and placed into a ColdBlock™ Digestion Quartz vessel.
- 8mL of Phosphoric acid (H₃PO₄) was added
- Samples were digested at 100% power for 8 minutes.
- Samples were cooled then were 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.

