

OREAS-H1 LOW LEVEL GOLD OXIDE

DIGESTION OF CRM OREAS H1, LOW LEVEL GOLD OXIDE USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of CRM OREAS H1 using ColdBlock™ Digestion CB12L Technology.

Method

Triplicate samples of OREAS – H1 were digested using the following method:

- Chiller temperature was set to -5°C.
- 30g sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 160mL Reverse Aqua Regia was added (1:3 HCl:HNO₃)
- Samples were digested at 85% power for 15 minutes.
- Samples were cooled and then diluted to 200mL 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.