

MOLYBDENUM CONCENTRATE

DIGESTION OF MOLY CONCENTRATES, USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of molybdenum concentrates using ColdBlock™ Digestion CB12L Technology.

Method

Triplicate samples of moly concentrates were digested using the following method:

- 0.2g sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 6mL HNO₃ & 3mL H₂SO₄ was added
- Sample was digested at 100% power for 10 minutes.
- 3mL HNO₃ was added and sample was digested again at 100% power for an additional 5 minutes
- Sample was allowed to cool then was normalized to 50mL using 2% HNO₃.
- Chiller temperature was set to -5°C.

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.