

# TITANO-MAGNETITE PULP IRON ORE

## DIGESTION OF GEOSTATS CRM GIOP-33, USING COLDBLOCK™ DIGESTION TECHNOLOGY

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### Introduction

This application note will focus on the digestion of CRM GIOP-33 using ColdBlock™ Digestion Technology.

### Method

Six samples of GIOP-33 were digested using the following method:

- Chiller temperature was set to -5°C
- 0.25g sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 6mL Phosphoric acid (H<sub>3</sub>PO<sub>4</sub>) was added
- Sample was digested at 85% power for 10 minutes.
- Sample was cooled and diluted 50mL using 1% HNO<sub>3</sub>.

### Instrument

ColdBlock™ Digestion CB6L Technology.

### General

This procedure is specific for the sample digested and may need modification for different samples to achieve the desired result.