

# Crude Oil (Light Oil)

## DIGESTION OF CRUDE OIL (LIGHT OIL) USING COLDBLOCK™ DIGESTION TECHNOLOGY

*Author: Lorie-Anne Doig*

### Introduction

This application note will focus on the digestion of Crude Oil (Light Oil) using ColdBlock™ Digestion CB12L Technology. The Crude Oil used was VHG-SCRD-1P-100 with an API = ~50 and SG = ~0.78.

### Method

A sample of Crude Oil was digested using the following method:

- 2g of sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 15ml of H<sub>2</sub>SO<sub>4</sub> was added.
- Sample was digested at 100% power for 15min.
- The chiller was set to -5°C.
- Sample was allowed to cool.
  
- After digestion 15-20ml of H<sub>2</sub>O<sub>2</sub> was added until the sample was clear.
- Sample was normalized to 50mL using 2% HNO<sub>3</sub>

### 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.