

# Sodium Silicoaluminate

## DIGESTION OF SODIUM SILICOALUMINATE USING COLDBLOCK™ DIGESTION TECHNOLOGY

*Author: Lorie-Anne Doig*

### Introduction

This application note will focus on the digestion of a sodium silicoaluminate using ColdBlock™ Digestion Technology.

### Method

Samples were digested using the following method:

- Chiller temperature was set to -5°C
- 0.1g sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 15 mL Aqua Regia was added, and sample was digested at 100% for 10 minutes
- After digestion, sample was decanted in a plastic tube (50mL) and 1.0g of NH<sub>4</sub>F was added
- Sample was capped and shaken until clear
- Sample was cooled and carefully diluted 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.