

Multi-Nutrient Fertilizer

DIGESTION OF A MULTI-NUTRIENT FERTILIZER USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of NIST-695 a Multi-Nutrient Fertilizer using ColdBlock™ Digestion CB12L Technology.

Method

A sample of NIST-695 Multi-nutrient Fertilizer was digested using the following method:

- 1g of sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 40ml of Aqua Regia (3:1 HCl:HNO₃) was added.
- Sample was digested at 100% power for 20min.
- The chiller was set to -5°C.
- Sample was allowed to cool.
- Sample was normalized to 50mL using 2% 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.