

Zinc Oxide Fertilizer

DIGESTION OF A ZINC OXIDE FERTILIZER USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of a Zinc Oxide Fertilizer using ColdBlock™ Digestion CB12L Technology.

Method

A sample of Zinc Oxide Fertilizer was digested using the following method:

- 0.5g of sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 20ml of 1:1 HNO₃:HCl was added.
- Sample was digested at 100% power for 10min.
- 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.