

INDUSTRIES mining chemicals building

bio fuels

Zinc

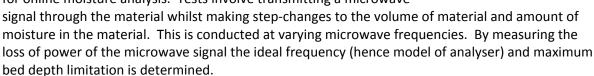
Material Sample Data Sheet

Introduction

MoistScan® works by transmitting a microwave signal of known power through the material being measured. As the signal passes through the material it loses power. This loss of power is predominantly due to the presence of moisture and the amount of material. To a lesser extent it is also due to the chemical composition and physical characteristics of the material.

Test Methodology

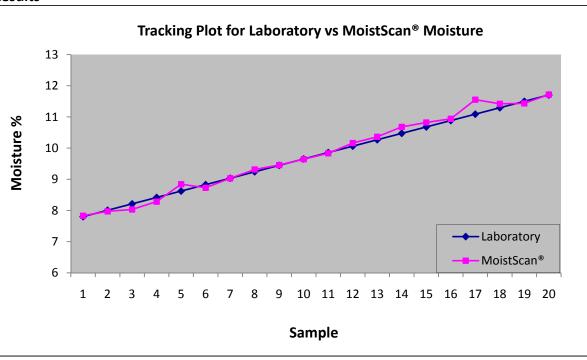
Samples of material are assessed in a static laboratory environment to indicate the suitability of the MoistScan® microwave technique for online moisture analysis. Tests involve transmitting a microwave



Material Description

Zinc Product (unknown composition) is a greyish powder with pebbles or rocks of varying sizes.

Results



Summary

The MoistScan® MA-500 online microwave moisture analyser appears suitable for measuring the moisture in Zinc. The expected precision of the instrument inferred from the above tests is 0.2% at 1 Standard Deviation (this includes sampling and laboratory error). The analyser appears suitable up to a maximum bed depth of 400mm.