

Introduction

This application note describes the general results when measuring uncooked masa dough using for the Phoenix NIR Analyzers.

Method

All samples were run on a Phoenix Series NIR Analyzer and calibrations were developed using Alligator Calibration software.

All samples were rolled into a small ball and placed into a ring cup. Samples were analyzed at room temperature

The ring cup was used for analysis.

Results

Samples are a mixture of white and yellow corn masa dough.

All results are on as-is basis.

Definitions

of Samples: Total number of samples for each constituent.

Range: Constituent range in the calibration

R²: Correlation coefficient is the agreement between the wet chemistry and NIR results. Correlation is dependent on lab accuracy and constituent range.

SECV: Cross Validation Error of the calibration. This value is approximately what can be expected when using the calibration for routine analysis.

Constituent	# of Samples	Range	R ²	SECV
Moisture	100	42.7 – 50.9	0.95	0.49

