

# Alpha Resources, Inc.

## Certificate Of Analysis

AR 2025  
CORN MEAL STANDARD  
LOT # 1012C

**DRIED BASIS VALUES**

**Feed Analysis**

% Fat	4.1 +/- 0.2
% Crude Fiber	1.89 +/-0.2
% Sugar	(3.34)
% Starch	(68.47)
% Nitrogen	1.20 +/- 0.02

**AS BOTTLED VALUES**

**Ultimate Analysis**

% Carbon	(45.52)
% Hydrogen	(6.3)
% Nitrogen	(1.15)
% Sulfur	0.10 +/- 0.02
% Moisture	(7.2)

**AS BOTTLED VALUES**

**Mineral Analysis**

% Calcium	0.05 +/- 0.01
% Magnesium	0.11 +/- 0.01
% Phosphorous	0.29 +/- 0.03

**Mineral Analysis**

% Potassium	0.46 +/- 0.08
% Sodium	0.04

PPM Boron	(1)	PPM Copper	16 +/- 9
PPM Iron	46 +/- 9	PPM Manganese	8 +/- 1
PPM Zinc	37 +/- 15	PPM Aluminum	(125)

The following procedures and standards were employed in the analysis of the above standard:

Preparation.....	AOAC 935.13A	Total Nitrogen.....	AOAC 968.06
Crude Fiber.....	AOAC 962.09	Crude Fat.....	AOAC 920.39
Mineral Analysis.....	ICP/AES – AOAC 975.03, 968.09	Traceable to: AAFCO standards and materials traceable to NIST 1547 Peach leaves	
Nitrogen.....	EDTA		

When necessary, professional judgment is applied toward consideration of data and statistical information. The statistical analysis and the overall direction and coordination of the analytical measurements leading to certification were performed by K.E. Dyer, Technical Manager, at Alpha Resources.

Samples for round robin testing were selected in accordance to ARI 014. The values only relate to the material certified. This bottle contains 30g of fine corn meal powder to be used per the test method you follow. This reference has an indefinite known shelf life unopened. Once opened the shelf life is limited to two years.

This is a certified reference material (Working Standard) and is traceable to the above-mentioned reference standard(s). For good laboratory practice, we recommend that all secondary standards be verified and documented prior to use. Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall alpha resources be liable for incidental or consequential damages.

**EXPIRATION DATE**  
**THIS CRM IS VALID FOR TWO YEARS FROM THE DATE OF OPENING**  
**CERTIFIED April 24, 2013**



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[www.alpharesources.com](http://www.alpharesources.com)