

Alpha Resources, Inc. Certificate Of Analysis

AR 2022 SOY PROTEIN ISOLATE STANDARD LOT # 040102

DRIED BASIS VALUES

Feed Analysis

% Fat	0.50 +/- 0.08
% Crude Fiber	0.34 +/- .1
% Protein	84.63 +/- 0.69

AS BOTTLED VALUES

Ultimate Analysis

% Nitrogen	13.54 +/- 0.11
% Sulfur	.58 +/- .04
% Moisture	5.21 +/- .61

AS BOTTLED VALUES

Mineral Analysis

% Calcium	.20 +/- .01
% Magnesium	.06 +/- .01
% Phosphorous	.80 +/- .03

Mineral Analysis

% Potassium	0.21 +/- .02
% Sodium	0.99 +/- 0.03

PPM Boron	4 +/- 1
PPM Iron	141 +/- 11
PPM Zinc	41 +/- 3

PPM Copper	13 +/- 1
PPM Manganese	14 +/- 1
PPM Aluminum	19 +/- 4

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
Moisture.....	ASTM D 3173	Sulfur.....	ASTM D 4239 C
Mineral Analysis.....	ICP/AES – AOAC 975.03	NIST SRM.....	1547 Peach Leaves

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.

This is a certified reference material (CRM) and is traceable to the above-mentioned NIST standard. For good laboratory practice, we at Alpha Resources Incorporated, recommend that all secondary standards be verified and documented prior to use.

EXPIRATION DATE
THIS CRM IS VALID FOR TWO YEARS FROM THE DATE OF PURCHASE WHICH
APPEARS ON THE BOTTLE
CERTIFIED OCTOBER, 2003

Kent Dyer