# VegeFull<sup>™</sup> Navy Beans – Cooked Powder and Grits

### **Product Description**

Instant dehydrated whole navy bean powder and grits can be used as an ingredient in baked, extruded, semimoist, or canned pet food applications. This product is light tan to pale yellow in color. Ground navy beans have a mild to bland sweet bean flavor. Since the navy bean powder and grits come precooked, they reconstitue in five minutes.

### **Product Application**

*Powder:* For baked applications, replace a percentage of flour 1:1 with navy bean powder for baked items; can use 10-25% replacement.

*Tip*: Adjust water as navy bean powder contains less moisture than most flours. Cold water hydration disperses best.

*For extruded applications:* Can use a 10-25% replacement. *Tip:* Navy bean powder works well in combination with corn meal, rice flour, tapioca starch, and other typical ingredients.

*Grits:* Use as a partial replacement for protein portion of recipe.

# Physical & Chemical Characteristics

#### Granulation:

Powder: 95% through #80 sieve Grits: 99% through #6 sieve

#### Typical Proximate Data

Moisture	6.0%
Protein (Nx6.25, DMB)	
Fat (acid hydrolysis)	3.0%
Carbohydrates	
Crude Fiber (DMB)	5.02%
ADF (DMB)	10.46%
aNDF (DMB)	15.80%
Ash	4.0%
Typical Analysis (per 100 g dry)	
Kcal (AAFCO Pet)	
Fatty Acid Profile	
Total fat	3 g



Saturated fat	0.5 g
Monounsaturated fat	0.3 g
Total Dietary Fiber	
Soluble fiber	
Sugars (HPLC)	
Total sugars	4.5 g
Sucrose	4.5 g
Vitamins	-
Vitamin A	trace
Vitamin C	trace
Folate 14	40 µg
Minerals	
Sodium 10-4	0 mg
Potassium 490-100	0 mg
Calcium 100-3	00 mg
Magnesium 50-15	0 mg <sup>°</sup>
Zinc 1-	4 mg
Iron 2-	6 mg
Copper	2 mg
Typical Amino Acids (g/100 g pro	
Aspartic acid	12.1
Threonine*	4.6
Serine	6.0
Glutamic Acid	15.2
Proline	4.1
Glycine	4.2
Alanine	4.6
Cystine	1.0
Valine*	5.6
Methionine*	1.2
Isoleucine*	4.7
Leucine*	8.1
Tyrosine	3.5
Phenylalanine*	6.1
Histidine*	2.9
Lysine*	6.5
Arginine	6.1
Tryptophan*	1.1

\*Essential amino acids



Microbial Data

Standard plate count, max	40,000/g
Coliform	100/g
E. coli	< 3 g
Staphylococcus	< 10/g
Salmonella	Negative
Yeast and Mold	

### **Quality Control**

This product is manufactured in accordance with a GMP and HACCP based quality assurance program.

## Storage & Handling

Recommended shelf life is 18 months from date of manufacture when stored under cool, dry conditions.

### **AAFCO** Ingredient Definition

Powder: Ground dried cooked navy beans Grits: Dried cooked navy beans

### Ordering Information

Product numbers:		
	Powder: 40	069015
	Grits: 40	068015
Container size:	Powder and Grits: 40 lb (18.1 kg)	
n	nulti-layered paper bags, 50 pe	r pallet
Order minimum:	Powder and Grits: 1 pallet (2000 lb)	
Customer service:	800-775-3295	
	or ANI_Service@ad	m.com



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