VegeFull[™] **Chickpeas – Cooked** Powder and Grits

Product Description

Instant dehydrated whole chickpea powder and grits can be used as an ingredient in baked, extruded, semi-moist, or canned pet food applications. This product is beige in color and has a nut-like taste. Chickpeas have a buttery texture. Since the chickpeas come precooked, they reconstitue in five minutes.

Product Application

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

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

For extruded applications: Can use a 10-25% replacement. *Tip:* Chickpea 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	
Protein (Nx6.25, DMB)	
Fat (acid hydrolysis)	
Carbohydrates	
Crude Fiber (DMB)	
ADF (DMB)	
aNDF (DMB)	
Ash	
Typical Analysis (per 100 g dry)	
Kcal (AAFCO Pet)	
Fatty Acid Profile	
Total fat	7 g



Saturated fat	1 g
Monounsaturated fat	2 g
Total Dietary Fiber2	
Soluble fiber	2 g
Sugars (HPLC)	0
Total sugars	.7 g
Sucrose	0
Vitamins	0
Vitamin A tr	ace
Vitamin C tr	
Folate	
Minerals	10
Sodium	mø
Potassium	
Calcium 100-300	0
Magnesium	0
Zinc 1-4	~
Iron	0
Copper	0
- 1000000 + 20000000000000000000000000000	ein)
Aspartic acid	11.4
Aspartic acid Threonine*	11.4 3.8
Aspartic acid Threonine* Serine	11.4 3.8 5.3
Aspartic acid Threonine* Serine Glutamic Acid	11.4 3.8 5.3 15.8
Aspartic acid Threonine* Serine Glutamic Acid Proline	11.4 3.8 5.3 15.8 3.9
Aspartic acid Threonine* Serine Glutamic Acid Proline Glycine	11.4 3.8 5.3 15.8 3.9 3.9
Aspartic acid Threonine* Serine Glutamic Acid	 11.4 3.8 5.3 15.8 3.9 3.9 4.3
Aspartic acid Threonine* Serine Glutamic Acid Proline Glycine Alanine Cystine	 11.4 3.8 5.3 15.8 3.9 3.9 4.3 1.2
Aspartic acid Threonine* Serine Glutamic Acid Proline Glycine Cystine Valine*	 11.4 3.8 5.3 15.8 3.9 3.9 4.3 1.2 4.2
Aspartic acid Threonine* Serine Glutamic Acid Proline Glycine Alanine Cystine Valine* Methionine*	 11.4 3.8 5.3 15.8 3.9 3.9 4.3 1.2 4.2 1.3
Aspartic acid Threonine* Serine Glutamic Acid	 11.4 3.8 5.3 15.8 3.9 4.3 1.2 4.2 1.3 4.1
Aspartic acid Threonine* Serine Glutamic Acid Proline Glycine Alanine Cystine Valine* Methionine* Isoleucine* Leucine*	 11.4 3.8 5.3 15.8 3.9 3.9 4.3 1.2 4.2 1.3 4.1 7.2
Aspartic acid Threonine* Serine Glutamic Acid Proline Glycine Alanine Cystine Valine* Isoleucine* Leucine* Tyrosine	 11.4 3.8 5.3 15.8 3.9 3.9 4.3 1.2 4.2 1.3 4.1 7.2 3.0
Aspartic acid Threonine* Serine Glutamic Acid Proline Glycine Alanine Cystine Valine* Methionine* Isoleucine* Leucine* Phenylalanine*	 11.4 3.8 5.3 5.8 3.9 3.9 4.3 1.2 4.2 1.3 4.1 7.2 3.0 5.8
Aspartic acid Threonine* Serine Glutamic Acid	 11.4 3.8 5.3 5.8 3.9 4.3 1.2 4.2 1.3 4.1 7.2 3.0 5.8 2.4
Aspartic acid Threonine* Serine Glutamic Acid Proline Glycine Alanine Cystine Valine* Methionine* Isoleucine* Leucine* Phenylalanine* Histidine* Lysine*	11.43.85.315.83.93.94.31.24.21.34.17.23.05.82.45.3
Aspartic acid Threonine* Serine Glutamic Acid	 11.4 3.8 5.3 5.8 3.9 4.3 1.2 4.2 1.3 4.1 7.2 3.0 5.8 2.4

*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 chickpeas Grits: Dried cooked chickpeas

Ordering & Technical Information

Product numbers:		
	Powder:	40020015
	Grits:	40030015
Container size:	Powder and Grits: 40 lb (18.1 kg)	
r	nulti-layered paper bags, 50) per pallet
Order minimum:	Powder and Grits: 1 palle	et (2000 lb)
Customer service:	80	0-775-3295
	or ANI_Service®	@adm.com



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