

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 reconstitute 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	6.0%
Protein (Nx6.25, DMB)	23.0%
Fat (acid hydrolysis)	7.0%
Carbohydrates	64.0%
Crude Fiber (DMB)	3.61%
ADF (DMB)	8.96%
aNDF (DMB)	14.97%
Ash	3.0%

Typical Analysis (per 100 g dry)

Kcal (AAFCO Pet)	385
Fatty Acid Profile	
Total fat	7 g

Saturated fat	1 g
Monounsaturated fat	2 g
Total Dietary Fiber	22 g
Soluble fiber	2 g
Sugars (HPLC)	
Total sugars	3.7 g
Sucrose	3.7 g
Vitamins	
Vitamin A	trace
Vitamin C	trace
Folate	250 µg
Minerals	
Sodium	10-40 mg
Potassium	400-800 mg
Calcium	100-300 mg
Magnesium	50-150 mg
Zinc	1-4 mg
Iron	2-6 mg
Copper	< 2 mg

Typical Amino Acids (g/100 g protein)

Aspartic acid	11.4
Threonine*	3.8
Serine	5.3
Glutamic Acid	15.8
Proline	3.9
Glycine	3.9
Alanine	4.3
Cystine	1.2
Valine*	4.2
Methionine*	1.3
Isoleucine*	4.1
Leucine*	7.2
Tyrosine	3.0
Phenylalanine*	5.8
Histidine*	2.4
Lysine*	5.3
Arginine	9.0
Tryptophan*	1.1

*Essential amino acids



Microbial Data

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

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)
multi-layered paper bags, 50 per pallet

Order minimum: Powder and Grits: 1 pallet (2000 lb)

Customer service: 800-775-3295

or ANI_Service@adm.com

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