

AMN Pea Starch Concentrate in Petfood

All Natural and Sustainable Ingredient

AMN Pea Starch Concentrate (PSC) is produced from yellow pea (*Pisum Sativum*). PSC contains approximately 70% of native starch (dry matter basis), which is highly functional and digestible.

In addition, PSC contains about 12% nutritious pea proteins known as high quality 7S and 11S globulins. Due to a low fat content, stability and a long shelf life are ensured.

The fractionation process for AMN Pea Starch Concentrate is known as air classification. Air classification is a process that classifies molecules according to their molecular weight so that small, light molecules are taken with air stream, while large, heavy molecules are separated by the laws of gravity.

In this process, no chemicals or water are used, thus pea starch concentrate will preserve all water soluble compounds (vitamins, antioxidants and others) that are washed out during wet processing.

This ensures a natural and sustainable production with no waste generation.



AMN Pea Starch Concentrate - functional, nutritious and palatable

Pea Starch Concentrate is successfully used as ingredient in dry, wet and semi-moist Petfood formulations as well as in treats.
PSC is a clean label ingredient suitable for grain free diets.

Key features

Clean label

No water, no chemicals added

Non GMO

Mycotoxin free

70% high functional starch

12% high quality protein

High digestibility

All natural and sustainable

Good replacer of high quality potato starch

Rich in amylose

Medium/low glycemic index

Low in NSPs

Low in oligosaccharides

Significant reduction of trypsin inhibitor

Fine grinded particles leading to improved digestibility



PSC

The air classification process significantly decreases anti-nutritional components, including NSP (Non Starch Polysaccharides) and oligosaccharides, in the pea starch fraction.

PSC - structure and function

The air classification process keeps the starch configuration in native state, preserving the high functionality of the product characterized by its high binding, gelling and viscosity properties.

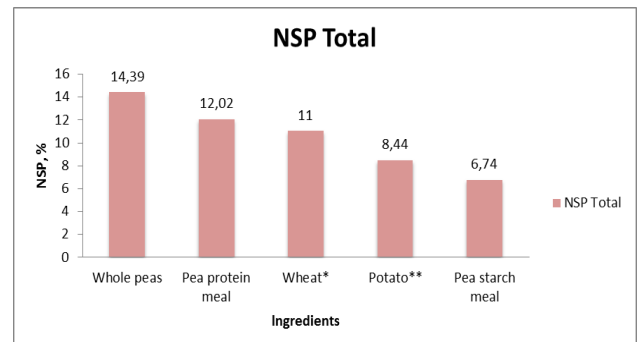
It has been proven that the use of PSC in pet food, animal and fish feed formulations, decreases the generation of dust, minimizing product losses and increases the overall pellet quality.



Pea starch digestibility & palatability

AMN Pea Starch Concentrate is a highly nutritious and digestible product. We have succeeded to reduce the NSP and the oligosaccharide content. Digestibility (%) tested in mink animals arises up to 96% when the starch is thermally processed, being of 86% in the raw ingredient.

This makes AMN Pea Starch Concentrate a high quality ingredient apt for inclusion in both feed and food formulations. Proven high palatability in Petfood formulations!



Source: AM Nutrition

High functional starch

PSC is a starch high in amylose, it forms stable gels in cold water temperature and can bind up to 4.5 parts of water per gram product.

The natural and sustainable way



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