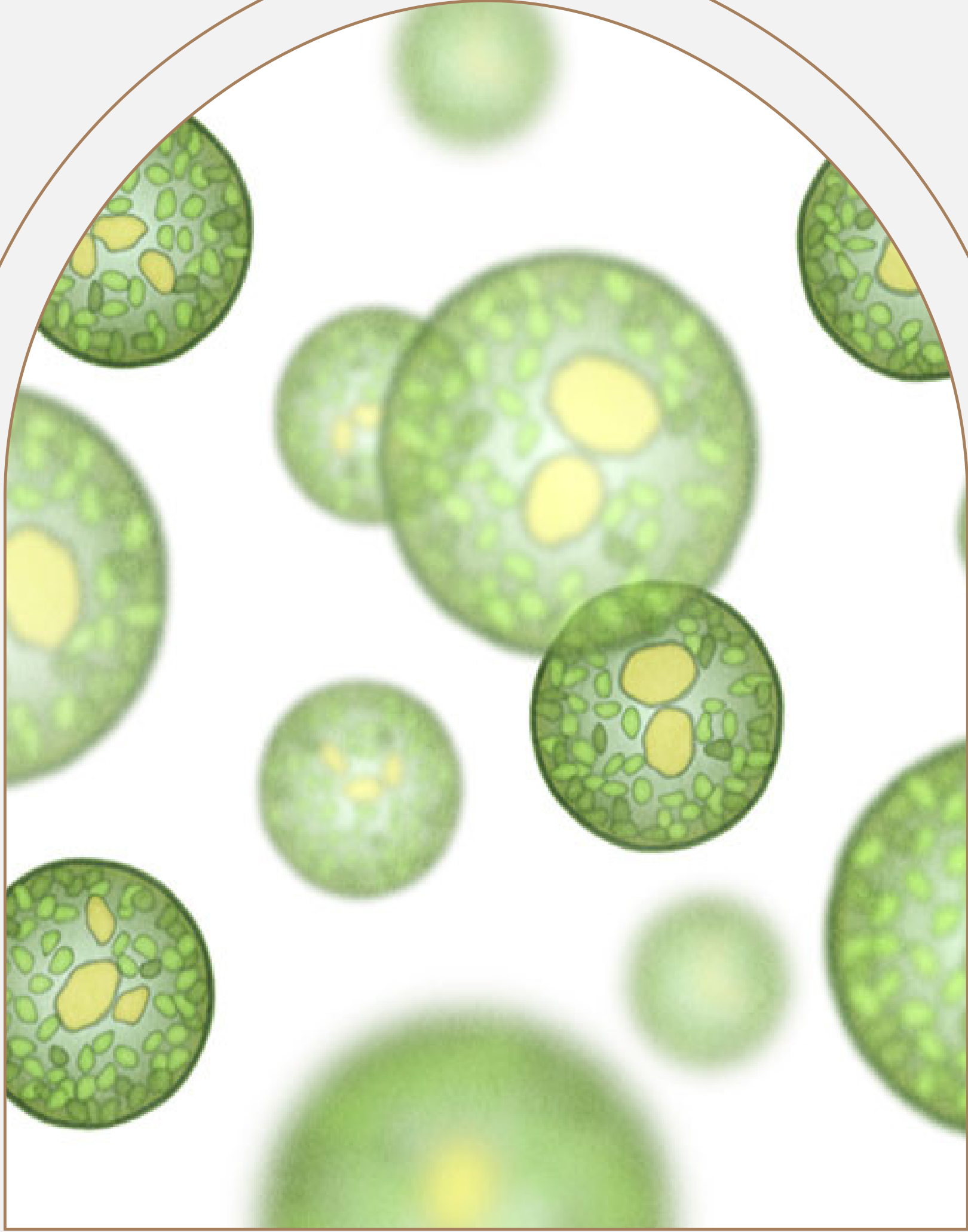


NUTRI

ALGAE



What is Nutri Algae?

It is a feed raw material containing high DHA
(Docosahexaenoic acid) obtained by fermentation method
from algae culture (Schizochytrium sp.).



NUTRI-ALGAE



It has been reported that feeding with nutritional supplements or foods containing algae rich in DHA has important effects on skin, coat and joint health, immune system in dogs, as well as improvements in the trainability of puppies and brain functions of older dogs.

Beynen AC, 2019



Microalgae in pet food are unicellular, aquatic organisms. They use sunlight or nutrient calories as an energy source for growth and are grown in open pond or closed tank systems.



Microalgae are extremely valuable microorganisms that are a source of carbohydrates, polyunsaturated fatty acids, essential minerals and vitamins, as well as proteins, and can increase the nutritional value of the food to which they are added.

Composition

Dried algae, algae oil, algae meal and extract are listed in the European feed raw materials catalogue. In general, the average nutritional values of *Schizochytrium* sp, which is a heterotrophic type algae and also an extremely strong source of DHA, are; 11% crude protein, 51% crude fat, 9% ash, 2% crude fiber and 27% soluble carbohydrates in dry matter.



Benefits

Dietary intake of both EPA and DHA sources contributes significantly to the improvement of atopic dermatitis and osteoarthritis in cats and dogs. Again, in some cognitive tests performed in old dogs, 0.4% dried, whole-cell *Schizochytrium* sp. supplementation significantly improved the results of four different cognitive ability tests compared to the control group (without DHA in their diet). It has been reported that the inclusion of 0.4% of this type of DHA-rich algae in dry food improves the palatability of the dog food and the digestibility of the protein it contains.

