



# IQI chicken liver hydrolysate (CLH)

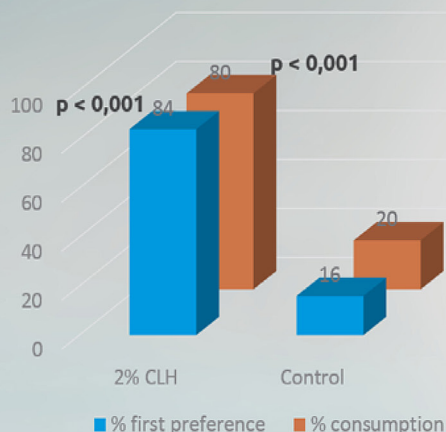
## What is chicken liver hydrolysate?

Chicken liver hydrolysate (CLH) is a nutritional, hypoallergenic hydrolysate powder that is obtained from fresh chicken livers. It has a high protein content, high digestibility and is very palatable for both cats and dogs. CLH is made from human food-grade raw materials, which are processed in a human food-grade facility. The use of enzymatic hydrolysis and low-temperature spray drying ensures that all protein and nutrients are preserved.

## Product specifications:

- Contains chicken liver (99.9%) and natural antioxidant (0.1%)
- High in protein content (> 62%, typically 67%) and brown in colour
- Low in fat, ash, and biogenic amines
- A source of highly nutritious proteins, bioactive peptides and essential electrolytes
- High digestibility and palatability (acceptance test for dogs, see graph 1)
- After enzymatic hydrolysis, drying occurs through low-temperature vacuum evaporation and spray drying to ensure preservation of nutritional quality
- All raw materials are human food-grade and processed into powder in our human food-grade facility
- Packaging available in 25kg bags and big bags

## Palatability of CLH for dogs



- 20 dogs, for 4 days
- 2% CLH coated on standard dog kibble without digest
- Both treatments had 2 % pork fat coated on the kibble
- Significant palatability effect

Graph 1: Acceptance test for CLH (Diet A) vs competitive product (Diet) B.



## Nutritional characteristics:

- Moisture < 7 %
- Proteins > 62 % (typical 67 %)
- Fat > 17 % (typical 18,5 %)
- Ash < 6 % (typical 4,5 %)

## What are the benefits?

### Pet health:

- Hypoallergenic (Graph 2)
- Protein content typically 67% with a well-balanced amino acid composition
- High digestibility, low calcium, low ash, adequate levels of essential electrolytes
- Enhances palatability (Graph 1)

## Production:

- The agglomerated, spray-dried powders are free flowing and dissolve easily
- No additives (except natural AO), no free-flowing agents, no lecithin and no antifoam

## Market acceptance:

- Clean label for pet food producers that want pure chicken
- No restrictions in terms of pet parents' religious considerations

## How to use in pet food formulations

- CLH has applications in all kinds of wet and dry pet food, as well as in semi-moist snacks and treats

## Molecular weight distribution (%)



Graph 2

### Disclaimer

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