

# PROSURANCE<sup>®</sup>



## PROSURANCE<sup>®</sup> CHX LIVER.HD

At Kemin, we know protein plays a vital role in the nutritional quality of pet food. Our PROSURANCE CHX Liver.HD is a spray-dried protein hydrolysate made from chicken liver and hearts.

### Nutritional Content

Min. 58.5% Protein | Max. 7.5% Ash | Min. 22% Fat | Max. 6% Moisture

PROSURANCE CHX Liver.HD is processed via enzymatic hydrolysis with a gentle drying process, resulting in a >75% water-soluble hydrolysate ideal for use in dry and wet pet food and treats.



### HYPOALLERGENIC

With shorter peptide chains, this protein source is less likely to cause an allergic reaction in pets with food sensitivities.<sup>1</sup>



### HIGH PROTEIN CONTENT

With a minimum of 58% crude protein, PROSURANCE CHX Liver.HD can replace lower-content protein sources at a lower volume.



### HIGH DIGESTIBILITY

Dogs digest short-chain protein better than long-chain protein, helping to increase the absorption of nutrients and can result in fewer feces.<sup>2</sup>



### HIGH PALATABILITY

Made with high-quality raw materials, PROSURANCE CHX Liver.HD provides a distinct natural flavor profile.

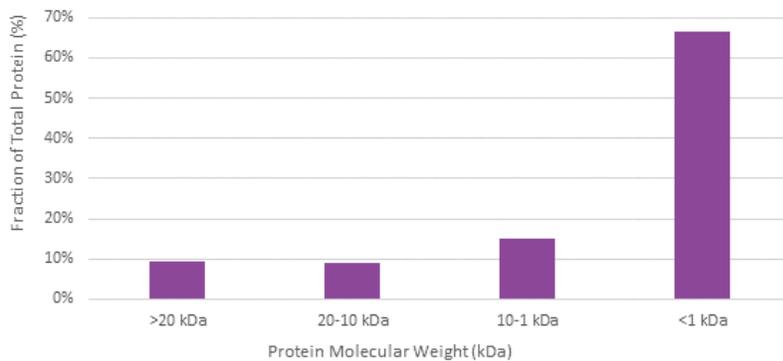
## PROCESSED FOR DIGESTIBILITY

Kemin's liver hydrolysate is processed via enzymatic hydrolysis, resulting in a lower-molecular-weight product with shorter peptides and free amino acids.

Low molecular weight proteins are used in hypoallergenic diets since they can remove or alter the structures that may illicit an allergic response in pets.<sup>2</sup> Hypoallergenic diets are designed to address pet food sensitivities.

Over seventy-five percent of the peptides in PROSURANCE CHX Liver.HD are smaller than 10 kDa, which is the commonly accepted threshold for reduced instances of allergenic responses and food intolerances in pets.<sup>1</sup>

### REPRESENTATIVE MOLECULAR WEIGHT PROFILE PROSURANCE CHX LIVER.HD<sup>4</sup>



## STUDIED IN DOGS



### IMPROVED DIGESTIBILITY

PROSURANCE CHX Liver.HD has an Apparent Total Tract Digestibility of 89%, which is 3% higher than a high-quality low-ash chicken meal.<sup>3</sup>

## YOUR DEDICATED PARTNER

The Kemin Technical Service and Customer Laboratory Service (CLS) teams are your partners throughout the pet food manufacturing process. Our experienced team of experts is available to provide technical advice, vendor assurance and laboratory testing to meet your palatability and protein needs.

### References

1. Cordle, C. T. (1994) Control of Food Allergies using Protein Hydrolysates. Food Technology 48: 72-76.
2. Cave NJ, Hydrolyzed Protein Diets for Dogs and Cats. Vet Clin Small Anim 36 (2006) 1251-1268.
3. Kemin Internal Document TD-19-5606.
4. Kemin Internal Document 101600.

