



## SPRAY-DRIED ANIMAL PLASMA FOR PETFOOD

The pet food industry uses spray-dried animal plasma (SDAP) in their canned pet foods. This helps with gelling, water retention, and emulsion of fats. SDAP, in general, is known for its high protein content, ability to retain water, foaming, being an emulsifier, and gelling abilities. It has been found that cats prefer diets with SDAP over diets with vegetable-based proteins.

This study compared SDAP with other binders such as: wheat gluten, dehydrated pork rind, soy protein concentrate, and a mix involving plasma, globin, and red cells. They were included in chunk and loaf recipes, which were then tested for texture and water holding capacity.

SDAP improved the texture quality in both the chunk and loaf recipes when compared with the other binders ( $p < 0.001$ ). This study also found that SDAP had lower water losses compared to the other binders ( $p < 0.001$ ). It is believed this is due to the higher strength gel and the ability to emulsify fat.

## THE USE OF SPRAY-DRIED ANIMAL PLASMA IN COMPARISON WITH OTHER BINDERS IN CANNED PET FOOD RECIPES.



### BOTTOM LINE

#### TEXTURE QUALITY



#### WATER LOSS

