

Ova 70

by IsoNova

Premium Egg-Based Binder



Egg protein sets the quality benchmark for all other proteins used in pet foods and pet treats. Ova 70 packs a lot of protein with very low levels of ash, but it also provides functional binding in wet foods, dry foods, and treats.

In wet food applications Ova 70 is the ideal binder for products based on chicken, beef, or liver. In dry foods, Ova 70 is the cost-effective binder of choice for grain-free (low-starch) kibble that contains up to 60% fresh meat and is produced on single-screw equipment.

Using Ova 70, you're not only getting high-protein, low-ash nutrition, you also get a better finished product.

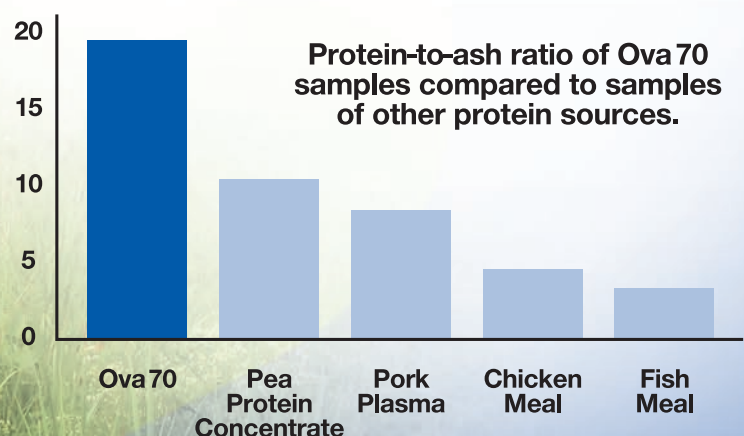
Benefits:

- Protein quality that sets the industry standard, with an industry-leading 18:1 protein to ash ratio
- Premium binding in wet foods based on chicken, beef, or liver
- Produce high-meat, low-starch kibble with up to 60% meat inclusion on single-screw equipment
- The most cost-effective high-protein egg binder



Specification:

PROTEIN	FAT	MOISTURE	ASH
70% minimum	0.1% minimum	8% maximum	6% maximum



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Optimize functional egg performance by combining Ova 70 with OvaZyme® 46

Ova 70 is the binder of choice in wet foods that contain chicken, liver, or beef as the leading protein source. But if you are also looking for a solution to fat capping (in chunk and gravy) or surface rendering (in loaf or pate style), Ova 70 can be combined with OvaZyme® 46 to provide a comprehensive solution.

Blending Ova 70 and OvaZyme® 46 together allows you to maximize functionality while optimizing cost at the same time. While every formula is unique, Ova 70 and OvaZyme® may be blended up to 50:50 without loss of gel strength and with the added emulsification power of OvaZyme® to help keep fat in the meat matrix, where it belongs.

Making foods that use harder-to-bind proteins like turkey or fish? That's not a problem, either—simply use OvaBind® 80 in place of Ova 70. OvaBind® 80 and OvaZyme® can also be combined to optimize functionality and minimize cost-in-use.

Binding challenge:	Easy	Medium	Hard
Typical meat types	Chicken, Liver, Beef	Turkey, Lamb	Fish, Exotics
Initial recommendation	OvaBind® 80 or Ova 70	OvaBind® 80	OvaBind® 80
Starting use rate	3-6%	4-7%	5-8%
Blend with OvaZyme®?	Yes	Yes	Maybe
OvaZyme® (% of total egg)	~50% max	~40% max	~20% max

In dry foods Ova 70 is an excellent binder choice for those products that are low in starch (grain-free) but contain high inclusion rates of fresh meat. Ova 70 works on single-screw extruders in rations with up to 60% fresh meat inclusion rates and as little as 13% starch.

If your meat inclusion rates exceed 60%, OvaBind® 80 is probably your product of choice, and OvaZyme® 46 may help you optimize cost in formulations that are made with up to 40% meat inclusion. No matter the high-meat inclusion product you make, there is an egg-based binder solution for you. The table below offers an easy starting guide on which product likely works best for your situation (based on 5% egg inclusion).

↓ % meat rate	Recommended starting product for evaluation				
60+	OvaBind®	OvaBind®	OvaBind®	OvaBind®	OvaBind®
50-60	Ova 70	Ova 70	Ova 70	Ova 70	Ova 70
40-50	Ova 70	Ova 70	Ova 70	Ova 70	Ova 70
30-40	OvaZyme®	OvaZyme®	OvaZyme®	OvaZyme®	Ova 70
20-30	OvaZyme®	OvaZyme®	OvaZyme®	OvaZyme®	Ova 70
10-20	OvaZyme®	OvaZyme®	OvaZyme®	OvaZyme®	Ova 70
Food protein guaranteed analysis % →	24	28	32	36	40+