

OvaZyme[®] 46

Egg-Based Emulsifier

by IsoNova



LET OVAZYME HELP YOU FIND BALANCE BETWEEN WATER AND FAT

Whether you produce wet foods, treats, or dry kibble, your process includes the act of balancing fat and water. OvaZyme[®] 46 is an emulsifier made from egg that can help you do just that. Highly surface-active natural egg phospholipids stabilize the water-lipid boundary, which means that you can:

Eliminate fat caps in wet foods by keeping fat in your meat chunks or loaf.

Improve yields, shelf stability, and visual appeal by reducing sweating in dehydrated treats, or

Produce high-quality and durable low starch/grain-free kibble with up to 40% fresh meat inclusion simply by adding OvaZyme[®] to the dry ingredient mix.

OvaZyme[®] 46 is the all-natural, egg-based, multi-tasking process aid, with all the high-quality nutrition of whole egg.

Benefits:

- Soy-free
- Clean-label
- Easy to formulate
- Whole egg nutrition
- Works in any major process

Specification:

PROTEIN	FAT	MOISTURE	ASH
46%	33%	6.5%	6%
minimum	minimum	maximum	maximum

Mayonnaise made with:



OvaZyme[®] 46



Whole Egg



Soy Lecithin

314-778-9400
IsoNovaTech.com

sales@isonovatech.com

OvaZyme® plays well with others

The key function of OvaZyme® 46 in wet foods has been to help reduce: fat capping (in chunk and gravy); rendering (in loaf or pate style); and sweating in dehydrated treats.

Did you also know that OvaZyme® 46 can support egg-based binder efficiency?

When used in combination with Ova 70 or OvaBind® 80, OvaZyme® may reduce the use of these more expensive binders while delivering consistent performance and visual improvements.

Exact adjustments will be formula- and application-specific, but the table below provides a guide to help identify potential starting points for evaluation.

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 that are low in starch (grain-free) but contain high inclusion rates of fresh meat up to 40%, OvaZyme® is a cost-effective kibble binder. OvaZyme® is easy to use by simply adding it to your dry ingredient mix, and works effectively on single-screw extruders with industry-typical screw configurations.

Does your product have a meat addition rate higher than 40%? In that case, Ova 70 (40-60% meat rates) or OvaBind® 80 (>60% meat rates) may be your binder of choice. For cost-in-use optimization, Ova 70 and OvaBind® 80 can be effectively combined to tailor a solution for your specific needs.

Not sure where to start? You can use the table below as a guide for your unique situation. These recommendations are 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+