

Cargill[®]



THE
NEXTGEN
EMULSIFIER

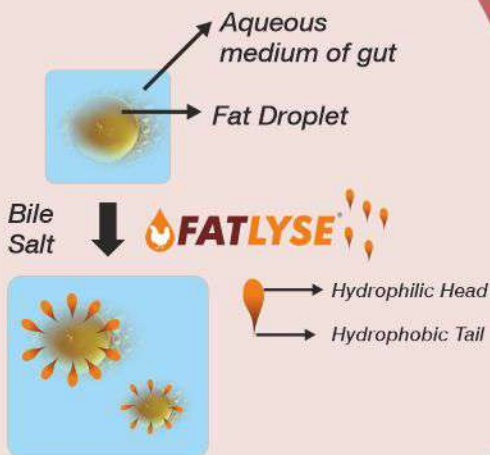
Get *Double Strength* with extra advantage...

3 Unlocking potential of fat by its **TRIPLE ACTION FORMULA**

Fat digestion takes place in aqueous medium of poultry gut in following steps:

Fat Emulsification

1

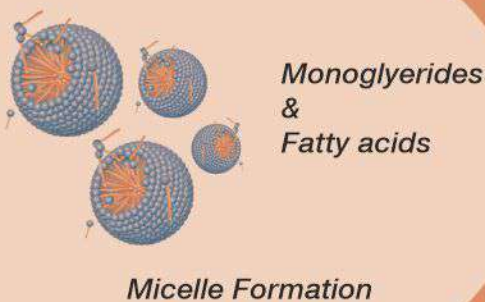


Phytogenic Emulsifier

Non Ionic Emulsifier with high HLB values

Fat Hydrolysis

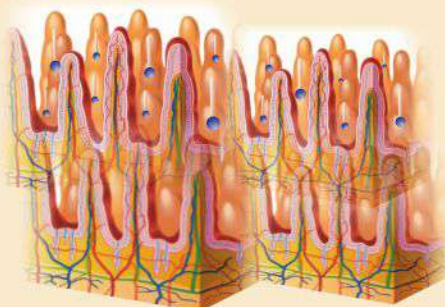
2



Catalyses Fat hydrolysis due to Lipase

Fat Absorption

3



Efficient Fat Digestion




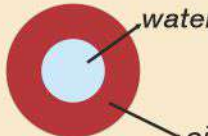
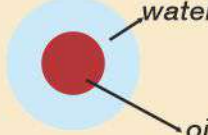
Supports Improved Performance

Key Features

Nutritional Hydrophilic Emulsifier

- High HLB value (8 – 16) establishes stable emulsion in oil/water emulsion.
- Stable emulsion facilitates high activity of Lipase

Selection of emulsifier on Hydrophilic-Lipophilic balance

Ratio (%)			Emulsifying rate in water	Function	
Hydrophilic Portion	Lipophilic Portion	HLB Value			
0	100	0	Low (Lipophilic Emulsifier) 	 Advantage for emulsifying water in oil	
10	90	2			
20	80	4			
30	70	6			
40	60	8			
50	50	10		High (Hydrophilic Emulsifier)	 Advantage for emulsifying oil in water
60	40	12			
70	30	14			
80	20	16			
90	10	18			
100	0	20			

Blend of Non Ionic Emulsifier & Phytogetic emulsifier facilitates lowest CMC value

Phytogetic Emulsifier: Critical Micellar Concentration (CMC): 0.02 – 0.2 mM

Source: (Biochemistry, 1984. Ed. G. Zubay. Addison - Wesley)has context menu

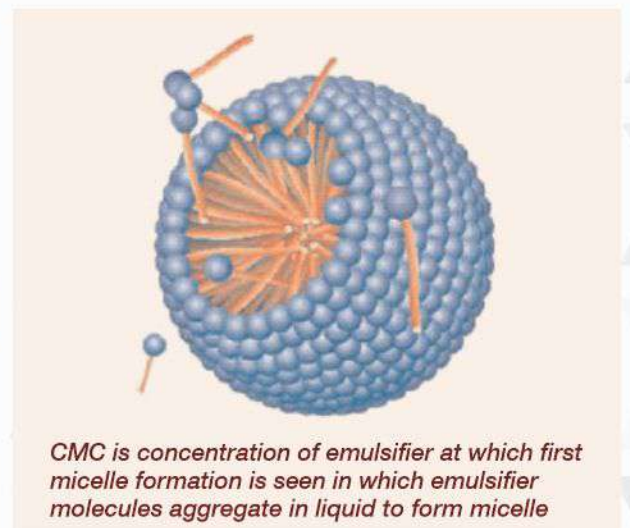
Non Ionic Emulsifier: work in different pH & sustain in high temperature with CMC value: 0.012

High EAI (Emulsifying Activity Index)

- EAI measures the amount of oil that can be emulsified per unit of protein
- Low dosage of Fatlyse provides high emulsification activity

Added Lipase

- Catalyses Fat hydrolysis due to Lipase



Fatlyse Salient Support



Improves fat digestion



Optimum nutrient utilization



Economically efficient



Energy Promoter (50Kcal/kg)



Saves feed cost (400 – 500Rs/MT)



Improves FCR



Reduce abdominal fat percentage upto 20 -25%



Controls pasty vents

Inclusion Level

🔥 250 - 500 gm/ ton of feed or as directed by Nutritionists

Packing

🔥 25 kg multilayer packing

Why choose Fatlyse

- 🔥 A research proven trusted solution for improved fat digestion
- 🔥 Strong technical support
- 🔥 Based on Cargill's advanced technology
- 🔥 Increased feed efficiency
- 🔥 Work in partnership to provide least cost feed formulation

